A DIRECTORY OF SKILLED TRADES TRAINING COURSES AND TRAINING AIDS IN U.S. SHIPYARDS

Prepared for
NATIONAL SHIPBUILDING RESEARCH PROGRAM
by
SOCIETY OF NAVAL ARCHITECTS & MARINE ENGINEERS
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FOREWORD

This Directory of Skilled Trades Training Courses and Training Aids in U.S. Shipyards and the companion report together list available training in U.S. shipyards and analyze the needs for training at the apprentice, mechanic, and management levels. The project was carried out under the National Shipbuilding Research Program, in conjunction with the University of Michigan - Professor Howard M. Bunch, Project Manager. Development work was accomplished under subcontract to the Institute of Applied Technolgoy - Jay I. Leanse, Executive Director and Linda L. Jaekel, Project Director.

Training of shipyard employees affects many areas of productivity, such as the application of new technologies, improved work quality, and more efficient time and material usage. Private sector yards have introduced new technologies through the National Shipbuilding Research Program, including Japanese technology and management ideas. Some of these technologies emphasize design and manufacture integration, and detailed work organization and planning. These developments underscore the need for training for the skills being introduced at the apprentice level as well as training in management.

Information contained in this document was provided by the 24 shipyards which responded to the Shipyard Skilled Trades Training Survey in 1983 by supplying information on skilled trades training courses and related training aids. All 57 shipyards which responded to the survey (both those with training and those which did not indicate any training) are identified in Section C, Part 1 "List of Participating Shipyards" of this document.

TABLE OF CONTENTS

Foreword			
Definitions of Terms	i		
Section A: Directory of Courses Foreword Trades Index Courses	A-i A-ii A-1		
Section B: Directory of Training Aids Foreword Trades Index Training Aids	B-i B-ii B-1		
Section C: Sources of Information For Skilled Trades Training Foreword List of Shipyard Codes Supplementary Training Organizations			
with Corresponding Shipyard Codes List of Participating Shipyards List of Supplementary Training	c-v C-1		
Organizations List of Sources for Training Aids	C-7 C-11		

DEFINITIONS OF TERMS

A. TRADES

ALL TRADES

Encompasses all shipyard skilled trades.

AIR CONDITIONING EQUIPMENT MECHANIC Installs, maintains, and repairs refrigeration and air/conditioning equipment.

BLASTER

Prepares surfaces for painting by abrasive blasting. Can be combined with painter in some yards.

BOTLERMAKER

Assembles boilers, tanks, and pressure vessels. Uses power tools and hand tools.

CARPENTER

Fabricates and assembles wooden structures, gratings, keel blocks, and shorings.

CHIPPER/GRINDER

Grinds and chips weld splatter, high spots, burrs, weld slag, and rust from metal surfaces, of ships to improve their appearance or prepare them for painting.

ELECTRICIAN

Installs, repairs, and maintains wiring, fixtures, and equipment for shipyard facilities and aboard ship - to include all general electrical work. This includes the trade of 'Marine Electrician' in some yards.

ELECTRICIAN (INSIDE)

Installs and maintains wiring, fixtures, and equipment for shipyard facilities.

ELECTRICIAN (OUTSIDE)

Installs and repairs wiring, fixtures, and equipment for all electrical services aboard ship.

ELECTRONICS MECHANIC

Works on various types of electronic equipment to put it in repaired operating condition.

ELECTROPLATER

Sets up, operates, and maintains metal plating baths to deposit metallic plating for protective purposes, decorative purposes, and to build up worn surfaces.

INSULATOR

Installs insulation in designated areas and on piping aboard ship.

JOINER

Installs finished panels, floor grouting, and tiling in shipboard living quarters.

LOFTSMAN

Lays out lines of ship to full scale on mold-loft floor and constructs templates and molds to be used as patterns and guides for layout and fabrication of various structural parts of ships.

MACHINIST

A general Machinist may be required to perform the duties of both Machinist (Inside) and Machinist (Outside), trades which are described below.

MACHINIST (INSIDE)

Sets up and operates machine tools as well as fits or assembles parts to make or repair metal parts, tools, or machines.

MACHINIST (OUTSIDE)

Installs ship machinery such as propulsion machinery, auxiliary motors, pumps, ventilating equipment, and steering gear.

MOLDER

Heats and pours molten metal into hollow forms in order to produce all manner of metal parts. (Foundryman)

ORDNANCE EQUIPMENT MECHANIC

Repairs machinery and mechanical equipment such as cranes, pumps, motors, and conveyor systems associated with weapons systems.

PATNTER

Mixes and applies paint or other coating materials for protective and decorative puposes by means of spray gun, brush, roller, or immersion. May also perform surface preparation (blasting).

PATTERNMAKER

Plans, lays out and performs machine operations and benchwork to construct, alter and repair three-dimensional wood patterns and core boxes for use in making molds for foundry castings.

PIPEFITTER

Fabricates, lays out, installs, and maintains ships' piping sytems, such as steam heating, water, hydraulic, air pressure, and lubrication systems. Uses handtools and shop machines.

PIPEWELDER

Installs, repairs and maintains shipboard piping systems by means of applicable welding processes.

RIGGER/CRANE OPERATOR

Installs and repairs rigging and weight-handling gear. Attaches hoists and handling gear to rigging and operates cranes to lift, move, and position machinery, equipment, structural parts, and other heavy loads aboard ships.

SHEETMETAL MECHANIC

Fabricates, assembles, installs, and repairs sheet-metal.

SHIPFITTER

Lays out and fits up metal structural parts (such as plates, bulkheads, and frames) and maintains them in position for welding.

SHIPWRIGHT

Constructs or repairs wooden ships or ship sections, following blueprints or ship's plans.

TACKER/BURNER

Cuts steel plate by burning. Washes welds and applies temporary welds to position metals for final welding.

WELDER

Makes or repairs structures or parts, using gas or electric welding equipment soldering equipment, gas or electric cutting equipment, etc..

B. SKILL LEVELS

APPRENTICE

An entry-level employee in the process of learning the range of skills of a trade throught a formal, structured training program, both on the job and in the classroom.

MECHANIC

An employee who is proficient in the basic job skills. (e.g., Journeyman, etc.)

MANAGER

An employee who is proficient in the job skills and supervises others in the trade. (e.g., Foreman, General Foreman, etc.)

C. TYPE OF COURSE

ACADEMIC

Instruction which provides knowledge essential to the ability to learn trade skills or trade principles. (e.g., English, Math, etc.)

TRADE THEORY

Classroom or structured on-the-job training dealing with specific job skills (and including safety instruction).

SECTION A

DIRECTORY OF COURSES

A List of Courses

For Skilled Trades

In United States Shipyards

December 1983

SECTION A

DIRECTORY OF COURSES

This directory provides skilled trades training course information for 27 trades including information on courses given to "All Trades" (primarily apprentice academics, safety, and supervisory related courses).

Information about each course is displayed in the following format:

NAME OF COURSE

LEVEL OF TRAINING NUMBER OF COURSE HOURS TYPE OF COURSE ORGANIZATION

Course listings are provided under the alphabetized trade name, as found at the top of each page. The index on the following page provides the page number on which each trade begins.

Course listings within each trade are indexed according to level of training, beginning with the apprentice level and continuing through to the management level. The level of training is:

- 1 = Apprentice
- 2 = Mechanic
- 3 = Manager

Definitions for these three levels, for the type of course (Academic and/or Trade Theory), and each of the trades can be found on pages i-vi of this document.

Contact information on the training organization can be found in Section C, Part 1 "List of Participating Shipyards", or Part 2 "List of Supplementary Training Organizations".

INDEX

All Trades Apprentice Academics Blueprint Reading Miscellaneous Productivity Safety Supervisory A/C Equipment Mechanic Boilermaker Carpenter Electrician Electrician (Inside) Electrician (Outside) Electronics Mechanic Electroplater Insulator Joiner Loftsman Machinist Machinist (Inside) Machinist (Outside) Molder Ordnance Equipment Mech. Painter Patternmaker Pipefitter Pipewelder Rigger/Crane Operator Sheetmetal Mechanic Shipwright	A-1 A-2 A-3 A-4 A-5 A-12 A-12 A-12 A-12 A-2 A-37 A-42 A-43 A-45 A-46 A-64 A-71 A-116 A-116 A-122
Sheetmetal Mechanic	A-112

Course information is indexed within each trade category according to the level of training, in the following sequence:

```
1/2/3 = Apprentice, Mechanic & Manager
1/2 = Apprentice & Mechanic
1 = Apprentice
2/3 = Mechanic & Manager
2 = Mechanic
3 = Manager
```

ALL TRADES APPR. ACADEMICS

ENGLISH 20 Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

INDUSTRIAL PSYCHOLOGY 54 Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

MATH 66 Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

MATH 67 Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

PHYSICS 61 Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

SPEECH 24 Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

TRADE DRAWING Level: 1

Hours:

Type: ACADEMIC

HONOLULU COMMUNITY COLLEGE

ALL TRADES BLUEPRINT READING

Level: 1/2/3 Hours: 80 ADVANCED BLUEPRINT READING

Type: TRADE THEORY

GENERAL DYNAMICS/QUINCY

Level: 1/3 Hours: 120 BASIC BLUEPRINT READING

Type: TRADE THEORY

GENERAL DYNAMICS/QUINCY

BLUEPRINT READING Level: 1/2

Hours:

Type: ACADEMIC

TODD PACIFIC SHIPYARDS/ LOS ANGELES

ALL TRADES MISCELLANEOUS

Level: 2 Hours: 4 AERIAL LIFTS

Type: TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICE "IMPROVER" Level: 1

Hours:

Type: TRADE THEORY

TODD PACIFIC SHIPYARDS/ LOS ANGELES

CAREER DEVELOPMENT Level: 3

Hours:

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

INSTRUCTOR DEVELOPMENT COURSE Level: 2 Hours: 80

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

Level: 1/2/3 Hours: 4 NEW EMPLOYEE ORIENTATION

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

NEWLY HIRED INDOCTRINATION Level: 1/2

Hours: 6
Type Not Indicated

JACKSONVILLE SHIPYARDS, INC.

OP & MAINT OF TORQUE MACHINES Level: 2

Hours: 16

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

ALL TRADES PRODUCTIVITY

PRODUCTIVITY IMPROVEMENT

Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

QUALITY CIRCLES TRAINING

Level: 1/2/3 Hours: 9

Type: ACADEMIC PETERSON BUILDERS, INC.

ALL TRADES SAFETY

Level: 2/3 ANNUAL FIRE EXTINGUISHING

Hours:

Type: TRADE THEORY

MISENER INDUSTRIES, INC.

Level: 1/2/3 BACK CARE CLASS

Hours: 1

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

FIRST AID Level: 1/2/3

Hours: 6

Type Not Indicated

JACKSONVILLE SHIPYARDS, INC.

FIRST AID/CARDIOPULMONARY RES . Level: 1/2/3

Hours: 6.5

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 1/2/3 HAZARDOUS WASTE

Hours: 1

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2/3 Hours: 2 OIL POLLUTION AWARENESS

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 1 OIL SPILL RESPONSE

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 OIL TRANSFER

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

ALL TRADES SAFETY

ORIENTATION TO GOOD SAFETY Level: 1/2/3 Hours: 2

Type: ACADEMIC

PETERSON BUILDERS, INC.

SAFETY Level: 1/2/3

Hours:

Type: ACADEMIC

BETHLEHEM STEEL/SPARROWS POINT

Level: 1/2/3 Hours: 6 SAFETY

Type Not Indicated

JACKSONVILLE SHIPYARDS, INC.

SAFETY ORIENTATION Level: 2/3

Hours:

Type: ACADEMIC

MISENER INDUSTRIES, INC.

SAFETY TIPS Level: 2/3

Hours:

Type: TRADE THEORY

MISENER INDUSTRIES, INC.

Level: 1/2/3 Hours: 1 SCAFFOLD SAFETY CLASS

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

ALL TRADES SUPERVISORY

ASSERTIVE SUPERVISION Level: 3 Hours: 8

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

BASIC SUPVR TECH TRAINING Level: 3

Hours: 232

Type: ACADEMIC & TRADE THEORY PEARL HARBOR NAVAL SHIPYARD

BUSINESS PRACTICES Level: 3 Hours: 40

Type: ACADEMIC

DUNDALK COMMUNITY COLLEGE

Level: 3 Hours: 24 CONFLICT MANAGEMENT

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

Level: 3 Hours: 24 COUNSELING SKILLS FOR SUPVRS

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DELEGATING FOR RESULTS Level: 3

Hours: 8

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

EFFECTIVE WRITING FOR SUPVR Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

EMPLOYEE MANAGEMENT RELATIONS Level: 3

Hours: 24

ALL TRADES SUPERVISORY

EXPANDING MANAGERIAL COMPETNCY Level: 3

Hours: 16

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

FIRST LINE SUPVR TRAINING II Level: 3

Hours: 40

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

FIRST LINE SUPVR TRAINING III Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

FIRST LINS SUPVR TRAINING I Level: 3

Hours: 40

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

LABOR RELATIONS CONF - DOD Level: 3 Hours: 40

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

LABOR RELATIONS TRNG FOR SUPVR Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

LEADERSHIP & SUPV INSTITUTE Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

LEADERSHIP TRAINING Level: 3

Hours: 8

ALL TRADES SUPERVISORY

MAINTENANCE MGMT FUNDAMENTALS Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

MAKING BETTER PRESENTATIONS Level: 3

Hours: 24

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

MANAGEMENT DEVELOPMENT Level: 3

Hours:

Type: ACADEMIC

BATH IRON WORKS CORPORATION

Level: 3 Hours: 32 MANAGEMENT REFRESHER

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

Level: 3 Hours: 16 MANAGEMENT SEMINARS

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

MANAGEMENT TECHNIQUES Level: 3

Hours:

Type: ACADEMIC & TRADE THEORY

TODD PACIFIC SHIPYARDS/ LOS ANGELES

MARITIME SUPERVISION MGMT. Level: 3

Hours:

Type: ACADEMIC

PINELLAS VOC, -TECH. INSTITUTE

MSPB/EEOC REP AGENCY BEFORE Level: 3

Hours: 32

ALL TRADES SUPERVISORY

PERFORMANCE APPRAISAL - BASIC Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

PERS MGMT FOR SUPVR & MGRS Level: 3

Hours: 32

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

PRE-SUPERVISORY TRNG PROGRAM Level: 3 Hours: 120

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

SUPERVISORY DEVELOPMENT Level: 3

Hours: 88

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

SUPERVISORY SKILLS/FOREMAN Level: 3

Hours: 40

Type: ACADEMIC DRAVO CORPORATION

SUPV & GROUP PERFORMANCE Level: 3

Hours: 40

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

SUPV - IMPACT OF VALUES ON Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

SUPV COMM WITH PROB EMPLOYEES Level: 3

Hours: 40

ALL TRADES SUPERVISORY

SUPV WKSHP COMP/APPEAL/GRIEVE Level: 3

Hours: 24

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

TEAM BUILDING Level: 3

Hours: 8

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

WORKING WITH SUBORDINATES Level: 3 Hours: 16

Type: ACADEMIC & TRADE THEORY

LONG BEACH NAVAL SHIPYARD

WRITING & EDITING FOR SUPVR Level: 3

Hours: 24

A/C EQUIP MECH

APPRENTICESHIP Level: 1

Hours: 480

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1 Hours: 336

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1
Hours: 8,000 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

APPRENTICESHIP Level: 1

Hours: 840

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

Level: 1 Hours: 600 Type: TRADE THEORY APPRENTICESHIP

PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 1,114

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

BOILERMAKER

APPRENTICESHIP

Level: 1 Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

APPRENTICESHIP Level: 1

Hours: 520

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

Level: 1 Hours: 84 APPRENTICESHIP

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 1,000

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

Level: 1 APPRENTICESHIP

Hours: 580

Type: TRADE THEORY
PEARL HARBOR NAVAL SHIPYARD

CARPENTER

APPRENTICESHIP Level: 1

Hours: 520

Type: TRADE THEORY

R.E. DERECKTOR OF R.I., INC.

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

Level: 1 APPRENTICESHIP

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

APPRENTICESHIP Level: 1

Hours: 400 Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 90

Type: TRADE THEORY

INTERNATIONAL CORRESPONDENCE SCHOOL

Level: 1 APPRENTICESHIP

Hours: 576

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

CARPENTER

Level: 1 SHIP NOMENCLATURE

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HAND TOOLS Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PORTABLE POWER TOOLS Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CHAR. WOODS/LUMBER COMPUTATION Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 8 WOODWORKING JOINTS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SECURING & FASTENING SYSTEMS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BLUEPRINT READING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOLDINGS Level: 1

Hours: 12

Type: TRADE THEORY

CARPENTER

TOOL SHARPENING Level: 1 Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HAZARDOUS MATERIAL Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FRAME CONSTRUCTION Level: 1

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FRAMING SQUARE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MACHINE WOODWORKING Level: 1

Hours: 40

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DOORS Level: 1 Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 STAIRS

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DECK COVERING Level: 1

Hours: 12

Type: TRADE THEORY

CARPENTER

SHIPBOARD INSULATION Level: 1

Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FORMICA Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TRESTLE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STRENGTH OF MATERIAL Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 OPTICAL EQUIPMENT

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 16 TRADE DRAWING

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FRAMING SQUARE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DECK COVERING Level: 1

Hours: 16

Type: TRADE THEORY

CARPENTER

Level: 1 CEILINGS Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INTERIOR FINISHING Level: 1 Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TOOL SHARPENING Level: 1

Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 FORMICA Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 HAZARDOUS MATERIAL

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 20 CABINET MAKING

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LADDERS & TEMPORARY STAGING Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TRESTLES Level: 1

Hours: 4

Type: TRADE THEORY

CARPENTER

BOX & CRATE CONSTRUCTION Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HOUSE CONSTRUCTION Level: 1

Hours: 40

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DOORS Level: 1

Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STAIR BUILDING Level: 1

Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MACHINE WOODWORKING Level: 1

Hours: 80
Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

WORKBENCH & TABLE CONSTRUCTION Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 4 RADCON REVIEW

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

GLOVE BAGS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CARPENTER

POLY BTL AND DROP CLOTH Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CON BAG INSTALLATION Level: 1/2 Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PRACTICAL FACTORS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

GLOVE BAG REMOVAL Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 4 LINES OF SHIP

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

TOOLS, TERMS, AND MATERIAL Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

NEUTRON SHIELDING Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LAYOUT OF EXPANSION GAPS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CARPENTER

Level: 1/2 Hours: 4 TOLERANCES, INSPECTION

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

DRY NEUTRON SHIELDING Level: 1/2 Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

NUCLEAR REFRESHER Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CONDOR Level: 1/2 Hours: 3

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 8 STUD WELDING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 2 Hours: 32 REPAIR & REMODELING

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

ELECTRICIAN

MARINE ELECTRICIAN Level: 1

Hours: 520

Type: ACADEMIC & TRADE THEORY R.E. DERECKTOR OF R.I., INC.

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

Level: 1 Hours: 100 MARINE ELECTRICITY

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 1
Hours: 10 SHIPBOARD INSTALLATION/WIRES

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

Cl WRITTEN COMMUNICATION Level: 1

Hours: 40

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

ELECTRICIAN

C2 SPOKEN COMMUNICATION Level: 1

Hours: 40

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 1032

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

REVIEW OF ARITHMETIC Level: 1

Hours: 32

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

ALGEBRAIC ADDITION/SUBTRACTION Level: 1

Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

ALGEBRIC MULTIPLICATION/DIV. Level: 1

Level: 1 Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

EQUATIONS Level: 1

Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

POWERS OF TEN (ALGEBRA) Level: 1

Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

UNITS & DIMENSIONS (ALGEBRA) Level: 1

Hours: 16

Type: ACADEMIC

ELECTRICIAN

PLANE TRIG/ANGLES/RT TRIANGLES Level: 1

Hours: 8

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

PLANE TRIG/FUNCTIONS OF ANGLES Level: 1

Hours: 8

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

DIGITAL LOGIC FUNDAMENTALS Level: 1

Hours: 28

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 SHIP NOMENCLATURE

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ELEC CABLES & ACCESSORIES

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ISOMETRIC WIRING DIAGRAMS

Hours: 16

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 16 ELECTRICAL SYSTEM DECK PLANS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ELEMENTARY WIRING DIAGRAMS Level: 1

Hours: 8

Type: TRADE THEORY

ELECTRICIAN

ELECTRICAL ARRANGEMENT PLANS Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GRID-TYPE ELECTRON TUBES Level: 1

Hours: 20

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SEMICONDUCTOR THEORY Level: 1

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TRANSISTOR FUNDA. & AMPLIFIERS Level: 1

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

AMPLIFIER COUPLING & OSCILLATR Level: 1

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

THERMISTORS/ZENERS/PHOTOCELLS Level: 1

Hours: 24

Type: TRADE THEORY

PHILADELPHIA A NAVAL SHIPYARD

SILICON CTRLD RECTIFIERS, ETC, Level: 1

Hours: 20

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ELECTRONIC CIRCUIT TESTING Level: 1

Hours: 28

Type: TRADE THEORY

ELECTRICIAN

NUMBER SYSTEMS FOR COMPUTERS Level: 1 Hours: 20

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 CONTROL & PROTECTIVE DEVICES Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

A.C. POWER DISTRIBUTION Level: 1 Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 SHIPBOARD GENERAL LIGHTING Hours: 32

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 NAVIGATION & SIGNAL LIGHTS Hours: 16

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 SHIPBOARD DEGAUSSING Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ELECTRIC MOTOR CONTROLS/BRAKES Level: 1 Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPLICATIONS OF TEST EQUIPMENT Level: 1 Hours: 12

Type: TRADE THEORY

ELECTRICIAN

VACUUM TUBE POWER SUPPLIES Level: 1

Hours: 16

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

A.C. GENERATORS Level: 1 Hours: 48

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

A.C. MOTORS Level: 1

Hours: 72

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

A.C. MOTOR CONTROLLERS Level: 1

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INSTRUMENTS AND METER Level: 1 Hours: 16

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MAGNETIC AMPLIFIERS Level: 1

Hours: 32

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SPEED AND VOLTAGE REGULATORS Level: 1

Hours: 48

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SYNCHROS Level: 1

Hours: 50

Type: TRADE THEORY

ELECTRICIAN

Level: 1 Hours: 40 Type: TRADE THEORY I.C. SYSTEMS

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ELEC CONDUCTORS/WIRING TECHN. Hours: $\bar{2}0$

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ELECTRO-MAGNATISM

Hours: 28
Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 D.C. GENERATORS Hours: 48

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 16 D.C. MOTORS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 16 D.C. MOTOR CONTROLLERS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 A.C. FUNDAMENTALS

Hours: 16

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

A.C. SERIES & PARALLEL CIRCUIT Level: 1

Hours: 16

Type: TRADE THEORY

ELECTRICIAN

TRANSFORMERS Level: 1

Hours: 16

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NOMENCLATURE/APPR REQ & DESCR. Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TOOLS OF THE TRADE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHIPYARD SAFETY Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOLECULES, ATOMS, CONDTRS, INSUL. Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

METHODS OF PRODUCING A VOLTAGE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ELEC CURRENT & RESISTANCE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BATTERIES Level: 1

Hours: 20

Type: TRADE THEORY

ELECTRICIAN

Level: 1 OHMS LAW FOR D.C. CIRCUITS

Hours: 48

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PLANE TRIG/SOLVE RIGHT ANGLES Level: 1

Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

PLANE TRIG - VECTORS Level: 1

Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

FRACTIONAL EQUATIONS Level: 1

Hours: 32

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

Level: 1 SIMULTANEOUS EQUATIONS

Hours: 16
Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

Level: 1 EXPONENTS AND RADICALS

Hours: 16

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

QUADRATIC EQUATIONS Level: 1

Hours: 20

Type: ACADEMIC

PHILADELPHIA NAVAL SHIPYARD

Level: 1 COMMON LOGARITHMS

Hours: 24

Type: ACADEMIC

ELECTRICIAN

Level: 1
Hours: 8,000 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY

NEWPORT NEWS SHIPBUILDING

Level: 1 Hours: 1,950 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

Level: 1 Hours: 1,140 APPRENTICESHIP

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

Level: 1 APPRENTICESHIP Hours: 1,192

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

Level: 1/2 ELECTRICIAN

Hours:

Type: ACADEMIC & TRADE THEORY

TODD PACIFIC SHIPYARDS/ LOS ANGELES

Level: 1/2 MARINE ELECTRICITY

Hours: 90

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

Level: 2 CIRCUIT BREAKER TRAINING Hours: 40

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

Level: 2 D.C. DRIVES SCHOOL Hours: 40

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

ELECTRICIAN

1984 NAT'L ELECT. CODE CHANGES Level: 2

Hours: 8

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

HIGH VOLTAGE CABLE SPLICING

Level: 2 Hours: 32

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

SWITCHGEAR VOLTAGE MAINTENANCE Level: 2

Hours: 16

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

PLANT ELEC. MAINTENANCE Level: 1

Hours:

Type: ACADEMIC ICS-INTEXT

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

BLUEPRINT READING Level: 1

Hours: 22

Type: TRADE THEORY PETERSON BUILDERS, INC.

ORIENTATION TO PBI & ELEC DEPT Level: 1

Hours: 1

Type: ACADEMIC & TRADE THEORY

PETERSON BUILDERS, INC.

APPRENTICESHIP Level: 1

Hours: 432

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

ELECTRICIAN

PRE-EMPLOYMENT Level: 1

Hours: 120

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 WIRE WRAPPING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 16 LIGHTING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 20 HOOK-UP

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CABLE INSTALLATION Level: 1/2 Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CONNECTOR PLUGS Level: 1/2

Hours: 80

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

BLUEPRINT READING Level: 1/2

Hours: 20

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PREP. HIGH TEMP. CABLES Level: 1/2

Hours: 4

Type: TRADE THEORY

ELECTRICIAN

HOOK-UP NUCLEAR COMPONENTS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

HOOK-UP KPI TERM BOX/SHIELD Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

HOOK-UP KP-C TERM BOX Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 4 PREP PI CABLE ENDS

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LOCKWIRE NUCLEAR COMP. Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

WIREWAYS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

JOB PAPER Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING (MICROMARK) Level: 1/2

Hours: 8

Type: TRADE THEORY

ELECTRICIAN

STUD WELDING (OPEN LOOP) Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 WIRE WRAPPING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 3 Hours: 12 VISUAL INSPECTION

Type: TRADE THEORY

ELECTRICIAN (INSIDE)

PLANT ELEC. MAINTENANCE Level: 1

Hours:

Type: ACADEMIC ICS-INTEXT

APPRENTICESHIP Level: 1

Hours: 8,000
Type: ACADEMIC & TRADE THEORY
NEWPORT NEWS SHIPBUILDING

ELECTRICIAN (OUTSIDE)

BLUEPRINT READING Level: 1

Hours: 22

Type: TRADE THEORY

PETERSON BUILDERS, INC.

ORIENTATION TO PBI & ELEC DEPT Level: 1

Hours: 1

Type: ACADEMIC & TRADE THEORY

PETERSON BUILDERS, INC.

APPRENTICESHIP Level: 1

Hours: 432

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

PRE-EMPLOYMENT Level: 1

Hours: 120

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

WIRE WRAPPING Level: 1/2 Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 16 LIGHTING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

HOOK-UP Level: 1/2 Hours: 20

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CABLE INSTALLATION Level: 1/2

Hours: 8

Type: TRADE THEORY

ELECTRICIAN (OUTSIDE)

Level: 1/2 Hours: 80 CONNECTOR PLUGS

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 20 BLUEPRINT READING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 4 PREP. HIGH TEMP. CABLES

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 HOOK-UP NUCLEAR COMPONENTS

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 HOOK-UP KPI TERM BOX/SHIELD

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 HOOK-UP KP-C TERM BOX

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 PREP PI CABLE ENDS

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 LOCKWIRE NUCLEAR COMP.

Hours: 4

Type: TRADE THEORY

ELECTRICIAN (OUTSIDE)

WIREWAYS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

JOB PAPER Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING (MICROMARK) Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING (OPEN LOOP) Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 WIRE WRAPPING

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

Level: 3 Hours: 12 VISUAL INSPECTION

Type: TRADE THEORY

ELECTRONICS MECHANIC

WRITTEN COMMUNICATION Level: 1 Hours: 40

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

SPOKEN COMMUNICATION

Level: 1 Hours: 40 Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 1640

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1 APPRENTICESHIP

Hours: 432

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

APPRENTICESHIP Level: 1

Hours: 1,680

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

APPRENTICESHIP

Level: 1 Hours: 1,783

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 1,736
Type: ACADEMIC & TRADE THEORY.

PORTSMOUTH NAVAL SHIPYARD

SOFT SOLDERING Level: 1/2

Hours: 8

Type: TRADE THEORY

ELECTRONICS MECHANIC

2925-26 Level: 2

Hours: Type: ACADEMIC & TRADE THEORY HARBOR OCCUPATIONAL CENTER

ELECTROPLATER

APPRENTICESHIP

Level: 1 Hours: 400 Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP

Level: 1 Hours: 320 Type: TRADE THEORY

KUSHNER ELECTROPLATING SCHOOL

INSULATOR

APPRENTICESHIP Level: 1

Hours: 360 Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1 Hours: 84

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

APPRENTICESHIP Level: 1

Hours: 720

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

APPRENTICESHIP Level: 1 Hours: 520

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

Level: 1 Hours: 704 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

JOINER

APPRENTICESHIP

Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY

LOFTSMAN

APPRENTICESHIP Level: 1

Hours:

Type: ACADEMIC & TRADE THEORY

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

APPRENTICESHIP Level: 1

Level: 1
Hours: 1,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

DRAVO CORPORATION

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

INTRODUCTION TO LOFTING/ALKON Level: 2

Hours: 320

Type: TRADE THEORY

GENERAL DYNAMICS/QUINCY

LAYOUT IN NASSCO'S COMPUTER Level: 2

Hours: 18

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

MACHINIST

APPRENTICESHIP Level: 1

Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

BLUEPRINT READING & BENCHWORK Level: 1

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 1 BASIC ENGINE LATHE OPERATION

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

ADVANCED ENGINE LATHE OPER. Level: 1

Hours: 5

Type Not Indicated

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 1 ADVANCED BLUEPRINT READING

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

INDEXING, CARBIDE CUTTER, ETC. Level: 1

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 1 ANGULAR CIRCULATIONS

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 1 GEAR CUTTING, INSPECTION

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

MACHINIST

SPECIAL PROCESSES, HYDRAULICS Level: 1

Hours: 5

Type: ACADEMIC

NATIONAL STEEL & SHIPBUILDING COMPANY

APPRENTICESHIP Level: 1

Level: 1 Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

APPRENTICESHIP Level: 1

Hours: 560
Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 640

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

NOMENCLATURE/SAFETY/JOB DESC. Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BOILER FUNCTIONS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

EXHAUST & STEAM SYSTEMS Level: 1

Hours: 30

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PRESSURE/TEMP. MEASUREMENT Level: 1

Hours: 16

Type: TRADE THEORY

MACHINIST

TURBINE THEORY Level: 1 Hours: 10

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHAFTING, PROPELLER & BEARINGS Level: 1

Hours: 5

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 3 PLAIN BEARINGS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC HAND TOOLS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC MACHINES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

VALVES Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 LUBRICATION

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

AIR COMPRESSORS HP/LP Level: 1

Hours: 5

Type: TRADE THEORY

MACHINIST

STEERING SYSTEMS Level: 1 Hours: 5

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DECK WINCHES Level: 1

Hours: 5

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

COUPLING ALIGNMENT Level: 1

Hours: 5

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ORDNANCE, BASIC TERMS Level: 1

Hours: 3

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GUN MOUNTS Level: 1

Hours: 5

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ORDNANCE MISSLE SYSTEMS Level: 1

Hours: 18

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INTRODUCTION TO SONAR Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ORDNANCE RECOIL & CON. REC. Level: 1

Hours: 4

Type: TRADE THEORY

MACHINIST

OPERATION OF BREECH Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 FIRING MECHANISMS Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 22 PUMPS (ALL TYPES)

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 BLUEPRINT READING

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ORDNANCE ALIGNMENT

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ARRESTING GEAR & BARRICADE SYS Level: 1 Hours: 15

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 CATAPULTS

Hours: 10

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 14 GEARS & GEARING SPUR GEARS

Type: TRADE THEORY

MACHINIST

GEARS & GEARING GEAR RATIO Level: 1 Hours: 14

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 14 GEARS & GEARING INSTALLATION

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GEARS-HELICAL, BEVEL, WORM Level: 1 Hours: 52

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FORCED DRAFT BLOWERS Level: 1

Hours: 6

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

AUTO COMBUSTION CONTROLS Level: 1 Hours: 6

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHIPS TURBO GENERATORS Level: 1

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

APPRENTICESHIP Level: 1

Hours: 1,560

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

MACHINIST

APPRENTICESHIP Level: 1

Hours: 560

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1 Hours: 1,261

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

MACHINE SHOP I & II Level: 1/2

Hours:

Type Not Indicated

SO. WESTERN OREGON COMMUNITY COLLEGE

BLUEPRINT READING Level: 1/2 Hours: 90

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

DIESEL Level: 1/2 Hours: 135

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

PRECISION MEASUREMENT Level: 1/2 Hours: 15

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC HYDRAULICS Level: 1/2

Hours: 30

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

AIR CONDITIONING/REFRIGERTAION Level: 1/2

Hours: 30

Type: TRADE THEORY

MACHINIST

DISTILLATION UNITS Level: 1/2 Hours: 20

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 160 MODERN ENGINEERING THEORY

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DIESEL ENGINES Level: 1/2

Hours: 40

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 30 GOVERNORS SCHOOL

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 30 MARINE GAS TURBINE SCHOOL

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 2 Hours: 40 DALIC PLATING

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

BALANCING SEMINAR Level: 2

Hours: 40

Type: TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours:

Type: ACADEMIC & TRADE THEORY

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

MACHINIST

INSIDE MACHINIST Level: 1 Hours: 520

Type: TRADE THEORY

R.E. DERECKTOR OF R.I., INC.

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

DRAVO CORPORATION

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

APPRENTICESHIP Level: 1

Hours: 576

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

OUTSIDE MACHINIST Level: 1

Hours: 520 Type: TRADE THEORY

R.E. DERECKTOR OF R.I., INC.

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

MACHINIST

APPRENTICESHIP Level: 1

Hours: 576

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

Level: 1/2 Hours: 4 INTRO TO NUCLEAR

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

NEW CONSTRUCTION DOC. Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LINES OF SHIP Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PLAN READING Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

TOOLS, AND THEIR USE Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PRECISION INSTRUMENTS Level: 1/2

Hours: 6

Type: TRADE THEORY

MACHINIST

SURFACE & FITTING OF LINERS Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

THREADED FASTENERS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

COMPONENT ALIGNMENT Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

INSTALLATION OF MOUNTS Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LOCKING DEVICES Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

VALVE REPAIR Level: 1/2

Hours: 6

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PORTABLE EQUIPMENT Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CANOPY CUTTING TOOLS Level: 1/2

Hours: 4

Type: TRADE THEORY

MACHINIST

Level: 1/2 PREP. TOOLS AND PROCEDURES

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 LIP SEAL IN CONCON BAGS

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 VALVE DISASSEMBLY & ASSEMBLY

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 INTERNAL PLUGGING OF VALVES

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 VALVE TAPPING

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 REPACKING VALVES

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 CANOPY FIT-UPS

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 GRADE A CLEANING

Hours: 3

Type: TRADE THEORY

MACHINIST

REFRESHER SERIES - NUCLEAR Level: 1/2

Hours: 6

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 4 DOCUMENTATION

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING (MICROMARK) Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING (OPEN LOOP) Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

VISUAL INSPECTION Level: 3

Hours: 12

Type: TRADE THEORY

MACHINIST (INSIDE)

APPRENTICESHIP Level: 1

Hours:

Type: ACADEMIC & TRADE THEORY

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

INSIDE MACHINIST Level: 1
Hours: 520

Type: TRADE THEORY

Type: TRADE THEORY

R.E. DERECKTOR OF R.I., INC.

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

DRAVO CORPORATION

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

APPRENTICESHIP Level: 1

Hours: 576

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

MACHINIST (OUTSIDE)

OUTSIDE MACHINIST Level: 1 Hours: 520

Type: TRADE THEORY

R.E. DERECKTOR OF R.I., INC.

Level: 1 **APPRENTICESHIP** Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

Level: 1 APPRENTICESHIP

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

Level: 1 APPRENTICESHIP

Hours: 576

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

Level: 1/2 Hours: 4 INTRO TO NUCLEAR

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 NEW CONSTRUCTION DOC.

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LINES OF SHIP Level: 1/2

Hours: 4

Type: TRADE THEORY

MACHINIST (OUTSIDE)

Level: 1/2 Hours: 4 PLAN READING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

TOOLS ,AND THEIR USE Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

Level: 1/2 PRECISION INSTRUMENTS

Hours: 6

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

SURFACE & FITTING OF LINERS Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

THREADED FASTENERS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

COMPONENT ALIGNMENT Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

INSTALLATION OF MOUNTS Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LOCKING DEVICES Level: 1/2

Hours: 4

Type: TRADE THEORY

MACHINIST (OUTSIDE)

VALVE REPAIR Level: 1/2 Hours: 6

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PORTABLE EQUIPMENT Level: 1/2 Hours: 8'

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CANOPY CUTTING TOOLS Level: 1/2 Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PREP. TOOLS AND PROCEDURES Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LIP SEAL IN CONCON BAGS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

VALVE DISASSEMBLY & ASSEMBLY Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

INTERNAL PLUGGING OF VALVES Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

VALVE TAPPING Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

MACHINIST (OUTSIDE)

REPACKING VALVES Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CANOPY FIT-UPS Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 3 GRADE A CLEANING

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

REFRESHER SERIES - NUCLEAR Level: 1/2

Hours: 6

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

DOCUMENTATION Level: 1/2 Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 8 STUD WELDING (MICROMARK)

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING (OPEN LOOP) Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

VISUAL INSPECTION Level: 3

Hours: 12

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

MOLDER

Level: 1 APPRENTICESHIP

Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

Level: 1 APPRENTICESHIP Hours: 440

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

Level: 1 APPRENTICESHIP Hours: 16

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1 CENTRIFUGAL CASTING

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 6.67 TILT MACHINE CASTING

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 20 ANALYSIS OF CASTING

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 MARKING TABLE & INSPECTION

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NON-FER ALLOYS MOLD MAKING FDL Level: 1

Hours: 6.67

Type: TRADE THEORY

MOLDER

CHILLS, VENTS, FILLETS, POURING Level: 1 Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOLD FUNDA/ALUM, MAGNESM ALLOY Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOLDING FUNDA/FERROUS ALLOYS Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORE MAKING FUNDAMENTALS Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORE OVEN, BAKING Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HEAT TRANSFER & SOLIDIFICATION Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHRINKAGE & RISERS Level: 1

Hours: 10 Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FEEDING DIST/ATMOSPHERIC PRESS Level: 1

Hours: 5

Type: TRADE THEORY

MOLDER

PROPELLER MOLDING Level: 1
Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PROPELLER ASSEMBLY Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HORIZONTAL GRATING III Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

VERTICAL GRATING I Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

VERTICAL GRATING II Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

VERTICAL GRATING III Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HEAT TRANSFER & SOLIDIFICATION Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHAKEOUT PROCEDURE Level: 1

Hours: 2.67

Type: TRADE THEORY

MOLDER

CASTING INSPECTION Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FLOW OF MOLTEN METAL I Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FLOW OF MOLTEN METAL II Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HORIZONTAL GATING I

Level: 1
Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1
Hours: 2.67 HORIZONTAL GATING II

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CEMENT AND CORE SANDS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SAND TESTING PROCEDURES Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOLD CORE WASH Level: 1

Hours: 2.67

Type: TRADE THEORY

MOLDER

CLASSIFICATION OF FOUNDRIES Level: 1
Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PATTERN TYP/MOLD PARTS/GATING

Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORES CORE-MAKING PROCESS Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SAND TYPES/MOLD MACH/MOLD PROC Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1
Hours: 2.67 FURNACE TYPES & OP & LADLES

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ADDITION TO SYNTHETIC SANDS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INTRO TO FOUNDRY WORK

Level: 1
Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC SHOP ORGANIZATION Level: 1

Hours: 1.33

Type: TRADE THEORY

MOLDER

SAFETY PRACTICES & PRECAUTIONS

Level: 1 Hours: 1.33

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FOUNDRY TERMINOLOGY Level: 1

Hours: 2.67
Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HAND & POWER TOOLS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1
Hours: 2.67 PATTERN FUNDAMENTALS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SYNTHETIC SANDS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NO BAKE SANDS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 400

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

ORDNANCE EQUIP MECHANIC

APPRENTICESHIP

Level: 1 Hours: 720

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

PAINTER

APPRENTICESHIP Level: 1 Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

Level: 1 APPRENTICESHIP Hours: 400

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 126

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

APPRENTICESHIP Level: 1 Hours: 432

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

HISTORY OF PAINT Level: 1 Hours: 2

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NOMENCLATURE OF NAVAL VESSELS Level: 1

Hours: 2

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HEALTH, SAFETY & EQUIPMENT Level: 1 Hours: 4

Type: TRADE THEORY

PAINTER

CHEMICAL TERMS OF PAINT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 USE OF SPRAY GUN

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

THEORY OF CORROSION Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MAIN PIGMENTS IN PAINT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

WHAT NOT TO PAINT AND WHY Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINT REMOVAL Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ANTI FOULING PAINT Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PICKLING OF STEEL Level: 1

Hours: 4

Type: TRADE THEORY

PAINTER

Level: 1 PREPARING, PRIMING INTERIOR Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MIXING FLAT AND GLOSS PAINT Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PRIMARY AND SECONDARY COLORS Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MATH OF MATERIALS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PIPE LINES, LAGGING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MATH OF AREAS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 2.6 COMPOSITION OF VARNISH

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 COMPOSITION OF SHELLAC

Hours: 2.67

Type: TRADE THEORY

PAINTER

COMPOSITION OF STAIN Level: 1
Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FORMULAS OF WOOD STAIN Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ALODIZING OF ALUMINUM Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LOCATION OF DECKS, COMPARTMENTS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINTING OF MASTS

Level: 1
Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINTING OF ANTENNA Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

REMOVAL OF PAINT Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CLEANING & BRUSHING TANKS Level: 1

Hours: 2.67

Type: TRADE THEORY

PAINTER

SPRAYING OF TANKS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BOTTOM PAINTING OF SHIPS

Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ESTABLISH WATER LINES Level: 1

Hours: 2.67
Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DRAFT FIGURES AND NAMES Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SCALING OF DOMES Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

RUBBER ON SHAFTS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SOUND DAMPENING Level: 1

Hours: 2.67
Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

VERMICULITE PAINT Level: 1

Hours: 2.67

Type: TRADE THEORY

PAINTER

MASKING OFF AREAS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

USE OF DROP CLOTHES Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FAIRWATERS, SKEGS Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 2.67 SPECIES OF WOOD

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ABRASIVES Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GLOSSARY OF TERMS Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STAINING Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DISADVANTAGES OF OIL STAINS Level: 1

Hours: 2.67

Type: TRADE THEORY

PAINTER

SOLVENTS AND DRIERS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PIGMENT OIL STAINS Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

WOODEN AND FIBERGLASS BOATS Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STENCILING

Level: 1 Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GILDING Level: 1

Hours: 2.67
Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

COPPER BOTTOM PAINT Level: 1

Hours: 2.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PRIMERS, EMULSION PAINTS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MATERIALS Level: 1

Hours: 4

Type: TRADE THEORY

PAINTER

PAINT FORMULAS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CODE NUMBERS OF PAINTS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

USE OF IRON FILLERS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CARE OF EQUIPMENT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

USE OF MATRLS IN BLDG 990& 816 Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

OPERATE SAND BLAST MACHINE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SPECIAL PROCESSES ON ANTENNAS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MIXING OF MATERIALS Level: 1

Hours: 4

Type: TRADE THEORY

PAINTER

Level: 1 Hours: 4 USE OF RESPIRATORS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

USE OF AIRLESS SPRAY Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DECKING MATERIALS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PREPARING DECKS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 USE OF MIXING MACHINES

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 NON-SKID DECK SURFACES

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 WOOD SURFACE PREPARATION

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

REMOVING OLD FINISH Level: 1

Hours: 4

Type: TRADE THEORY

PAINTER

USE OF REMOVERS Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHELLAC, LACQUER VARNISH Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINTING OUTSIDE BUILDINGS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

RIGGING, USE OF ROPES Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 PAINT FAILURES AND REMEDIES

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

WATER PAINTS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ACOUSTICAL PAINTS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

WEATHER CONDITIONS Level: 1

Hours: 4

Type: TRADE THEORY

PAINTER

FURNITURE REFINISH Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINTING PLASTER WALLS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINTING IRREGULAR SURFACES Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PAINTING STRUTS, RUDDERS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TEFLON APPLICATION Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ARABOL APPLICATION Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PLANNING & ESTIMATING Level: 1 Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TIME KEEPING Level: 1

Hours: 6.67

Type: TRADE THEORY

PAINTER

MATERIAL REQUEST Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

JOB ORDERS Level: 1 Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NIGHT LETTERS Level: 1

Hours: 6.67

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LEAVE SLIPS, SHOP REPORTS

Level: 1
Hours: 13.34

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

APPRENTICESHIP Level: 1

Hours: 800

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 400

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 600

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

PAINTER

PAINT & SURFACE PREPARATION Level: 1/2

Hours: 5

Type: TRADE THEORY PETERSON BUILDERS, INC.

CONDOR Level: 1/2

Hours: 3

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PAINT SCHEDULE Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

DECONTAMINATION Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 4 HOUSEKEEPING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

GRADE A Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

SHIPYARD COATING Level: 3

Hours: 6

Type: TRADE THEORY

BETHLEHEM STEEL/SPARROWS POINT

CHIEF FUNCTIONS OF PAINT Level: I

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

APPRENTICESHIP Level: 1

Level: 1 Hours: 8,000

Type: ACADEMIC & TRADE THEORY

NEWPORT NEWS SHIPBUILDING

APPRENTICESHIP Level: 1

Hours: 640 Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 72

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

ADV PATTERNMAKING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ADV PATTERNMAKING, CONSTR OF. Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SKELTON & SWEEP PATT/RED ELBOW Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GEN SHIPWORK-SHIP LINE, MOCK-UP Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

REV OF TRIG & COMPOUND ANGLES Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

Level: 1 Hours: 4 REV OF VAR METALS, WGT OF CAST

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CAREER COURSE FOR PATTERNMAKER Level: 1

Hours: 64

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 STRUT PATTERNS

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 STRUT & SECTION DEV.

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STRUT DEV: ARMS, PALM, CORE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PROPELLERS: LAYOUT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PROP DEV: A-HUB AND CORE BOY Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PROP DEV: SPINDLE ALIGNMENT Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

PROP DEV:FILLETS, BATTENS, STOOL Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 HULL PTRNS: MOLD LOFT, SHIP LINE

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHIP LINES: DECK CAST, OFFSETS

Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 LAYOUT: MOLD LOFT TEMPLATES

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOCK-UPS & MODELS:CONSTRUCTION Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STRUT PTRNS: MOLD LOFT TEMPLATE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STRUT PATTERNS: LAYOUT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 STRUT LAYOUT

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

MOLD PRAC FOR STRUT PATTERNS Level: 1

Hours: $\overline{4}$

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GLOBE VALVES: LAYOUT OF PATTERN Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GLOBE VALVES:PTRN CONSTR, MOLD Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GLOBE VALVES: PREP LUMBER, LATHE Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LATHE: TURNING GLOBE & BONNET Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GLOBE VALVES:PTRN MANU, FLANGES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORE-BOX FOR GLOBE VALVES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORE-BOX: CORE SEAT, JIG & GUIDE Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

Level: 1 CORE-BOX: CUTTING BOY, SEAT Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 CONSTR PROB:LUMBER SHRINKAGE Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 COVER CORES: PURPOSE & USE Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 FOUNDRY FLASKS: MULTI FLASKS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 PROD TYPE PATTERNS: MATCH BOARD

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 ONE-TIME PATTERN JOBS:PLASTICS

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 FOUNDRY CONSIDERATIONS: CASTING

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 FOUNDRY CONSID: BAL CORE PRINTS Hours: 4

Type: TRADE THEORY

PATTERNMAKER

PATTERNS: CHECKING PATTERNS Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ELBOW PIPE PATTERNS: SHAPING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NOZZLES PATTERN:LAYOUT, TURNING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORE-BOX: ASMBLY, NOZZLE LAYOUT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ADV PATTERNMAKING: SEGMENTS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PATTERN REMOVAL: DRAW RODS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LAGGING STAVE WORK: DEV & ADV Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LATHE TEMPLATES: APPLICATION Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

DEV OF PATTERNS: BASIC LINES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MANU OF PARTS FOR PATTERNS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHAPING: CONSTR LINES, CASTING Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PATTERN COMPLETION Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HAND WHEELS:LAYOUT, METH MOLDIN Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STOCK PREPARATION HAND WHEELS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ASSEMBLE & CHECKING HAND WHEEL Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STAVING: LAYOUT AND BUILDING Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

LATHE WORK: TYPES WOOD LATHES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 LATHE TOOLS: TYPES, GRINDING

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TURNING MATERIAL: SEL OF STOCK Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 MOUNTING: METHODS OF TURNING Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LATHE WORK: TECHNIQUES & TOOLS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FACE PLATE: LATHES & MOUNTING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FILLETS: TYPES & APPLICATIONS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 SAFETY PRECAUTIONS

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

PATTERN SHOP PROCESSES/TECHNIQ Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CORE PRINTS: CONSTRUCTION OF Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TEMPLATES: PURPOSE & DEVELOPMENT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SEGMENTS: ADV, DEV FROM LAYOUT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SEGMENTS: LAYOUT, CUTTING, GLUING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LAGGING: PATTERN MODIFICATION Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

RELATED PRACTICES:BLUEPRINTS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

RELATED PRAC:FLASK FOR MOLDING Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

RELATED TRADES FOUNDRY: CORE Level: 1

Hours: $\overline{4}$

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MACHINE SHOP: PATTERN MAKING Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PATTERN SHOP PROCESSES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PATTERN CONSTR & MACHINERY Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

JOINING OF LUMBER: TYP OF JOINT Level: 1 Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HAND TOOLS:BENCH PLANES, GRIND Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CARVING TOOLS: GOUGES & CHISELS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MACHINERY: BAND SAWS, JOINER Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

MACHINERY: WOODLATHES, SAFE FACT Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 LAYOUT: BOARDS & GEOMETRY

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MOLDING TECH:LOOSE PIECES Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 Hours: 4 FOUNDRIES: FERROUS/NON-FERROUS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INTRO TO TRADE: HISTORY & TERMS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1 PHASES OF PATTERNMAKING

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LUMBER: TYPES/ PLASTER Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PATTERN SUPPLIES: GLUE, EXPOXIES Level: 1

Hours: 4

Type: TRADE THEORY

PATTERNMAKER

CONSTR TOOLS: HAMMERS, BRACE, ETC Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

POWER DRIVE PORTABLE HAND TOOL Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LAYOUT TOOLS/MEASURING TOOLS Level: 1

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

GENERAL SAFETY Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Level: 1 Hours: 660

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

PIPEFITTER

HEATING SYS & TROUBLE SHOOTING Level: 1 Hours: 160

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CAULKING JOINTS Level: 1 Hours: 37

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC HYDRAULICS Level: 1 Hours: 40

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC PNEUMATICS Level: 1

Hours: 40

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DRAINAGE SYSTEMS Level: 1

Hours: 210

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BASIC PLUMBING Level: 1 Hours: 132

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PRE-EMPLOYMENT Level: 1 Hours: 200

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

ON THE JOB TRAINING Level: 1

Hours: 400

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PIPEFITTER

APPRENTICESHIP Level: 1

Hours: 432

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

THREADING PIPE Level: 1 Hours: 64

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

MARINE PIPEFITTING: BASIC Level: 1 Hours: 160

Type: TRADE THEORY

SAN DIEGO TECHNICAL INSTITUTE

2935-06 Level: 1

Hours:

Type: ACADEMIC

HARBOR OCCUPATIONAL CENTER

PIPEFITTER LEARNER TRAINING Level: 1

Hours:

Type: TRADE THEORY BAKER MARINE CORP.

APPRENTICESHIP

Level: 1 Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

PIPEFITTER Level: 1

Hours: 520 Type: ACADEMIC & TRADE THEORY R.E. DERECKTOR OF R.I. INC.

PIPEFITTER

APPRENTICESHIP

Level: 1 Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

BASIC MARINE PIPEFITTING

Level: 1 Hours: 28

Type: TRADE THEORY PETERSON BUILDERS, INC.

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

Level: 1 Hours: 480 APPRENTICESHIP

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1

Hours: 638

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 600

Type: TRADE THEORY
PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 1,000

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

PIPEFITTER

APPRENTICESHIP Level: 1

Hours: 800

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

SHOP ORIENTATION Level: 1/2

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

THREADING AND CLAENING Level: 1/2

Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CLASSIFICATION OF PIPE Level: 1/2 Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BLUEPRINT READING Level: 1/2 Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 27 LAYING COMP. BENDS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 26 DEV. BRANCH PATTERNS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

TEMPLATE FABRICATION Level: 1/2

Hours: 12 Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PIPEFITTER

Level: 1/2 Hours: 8 LIFING AND HANDLING

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 PROTECTION OF PIPE AND CABLE

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 VALVE ORIENTATION

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PIPE DAMAGE Level: 1/2 Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 3 FITTING FLEXIBLE CON.

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

NUCLEAR REFRESHER Level: 1/2 Hours: 12

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 3 ORIGINATING PAPER

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

MATERIAL IDENTIFICATION Level: 1/2

Hours: 2

Type: TRADE THEORY

PIPEFITTER

Level: 1/2 Hours: 2 SYSTEM CLEANLINESS

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 2 FITTING NUCLEAR JOINTS

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

MANUAL CUTTING-NUCLEAR JOINTS Level: 1/2 Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PIPE BEND DATA SYSTEM Level: 1/2

Hours: 3

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PRECISION TOOLS Level: 1/2

Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LOCKWIRE PROCEDURES Level: 1/2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

FREEZE SEALS Level: 1/2

Hours: 16

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

GLOVE BAG QUALITY Level: 1/2

Hours: 4

Type: TRADE THEORY

PIPEFITTER

CHT SYSTEMS Level: 1/2

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHIP SERV. SYSTEM Level: 1/2

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INSULATION PRACTICES Level: 1/2

Hours: 25

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

Level: 1/2 Hours: 28 SKETCHING FROM PRINTS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PIPEFITTING Level: 1/2

Hours:

Type: ACADEMIC & TRADE THEORY

TODD PACIFIC SHIPYARDS/LOS ANGELES

Level: 1/2 Hours: 90 MARINE PIPEFITTING

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

Level: 1/2/3 **OUALITY REVIEW**

Hours: 1

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

Level: 1/2/3 Hours: 2 SHIP SILENCING

Type: TRADE THEORY

PIPEFITTER

SILVER BRAZING Level: 2

Hours: 160 Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

MARINE PIPEFITTING Level: 2

Hours: 300

Type: ACADEMIC & TRADE THEORY

SAN DIEGO CITY COLLEGE

BLUEPRINT READING Level: 2

Hours: 40

Type: ACADEMIC & TRADE THEORY

DRAVO CORPORATION

Level: 3 Hours: 32 PROJECT MANAGEMENT

Type: ACADEMIC

PORTSMOUTH NAVAL SHIPYARD

PIPEFITTER

ACERTS/CAL SYSTEM Level: 1/2 Hours: 3

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LIFTING AND HANDLING Level: 1/2 Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

FLEXIBLE CONNECTORS Level: 1/2

Hours: 3

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

MIL STANDARDS & SPECIFICATIONS Level: 1/2

Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

MAIN STEAM Level: 1/2

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CONDENSATE SYSTEM Level: 1/2

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

AUXILLERY STEAM SYSTEM Level: 1/2 Hours: 24

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STEAM DRAINS Level: 1/2 Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PIPEFITTER

Level: 1/2 Hours: 16 FUELOIL SYSTEMS

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

LO AND BALLASTING SYSTEMS Level: 1/2

Hours: 12

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HP, LP, MP SYSTEMS Level: 1/2

Hours: 20

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HYDRAULIC SYSTEMS Level: 1/2

Hours: 14

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DIESEL SYSTEMS

Level: 1/2 Hours: 8 Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DISTILLATION SYSTEMS Level: 1/2

Hours: 8

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

REFREGERATION & AIR CONDITIONI Level: 1/2

Hours: 4

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

FRESH AND SEA WATER PIPING Level: 1/2

Hours: 20

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

PIPEWELDER

APPRENTICESHIP Level: 1 Hours:6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

PIPEWELDER

Level: 2 Hours: 20 Type: TRADE THEORY JEFFBOAT, INC.

Level: 2 Hours: 104 Type: TRADE THEORY SELECTION PROG.

GENERAL DYNAMICS/ELECTRIC BOAT

DIAMETRICS Level: 2 Hours: 160

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 2 Hours: 32 BI-METALLIC

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CARBON STEEL Level: 2 Hours: 80

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CRES Level: 2

Hours: 80

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CUNI Level: 2

Hours: 96

Type: TRADE THEORY

PIPEWELDER

INCONEL Level: 2

Hours: 80
Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

NICU Level: 2 Hours: 80

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PERFORMANCE IMPROVEMENT Level: 2

Hours: 16

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PURGING Level: 2 Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 2 Hours: 16 SOCKETS

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

VISUAL & 5X Level: 2

Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

905 DOCUMENTATION Level: 2

Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CLEANLINESS REQUIREMENTS Level: 2

Hours: 2

Type: TRADE THEORY

PIPEWELDER

MATERIAL IDENTIFICATION

Level: 2
Hours: 3
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

RIGGER

Level: 1 Hours: 8,000 APPRENTICE PROGRAM

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

APPRENTICESHIP Level: 1 Hours: 4,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL\SPARROWS POINT

APPRENTICESHIP Level: 1 Hours: 440

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1 Hours: 136

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1 Hours: 432 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1 APPRENTICESHIP Hours: 440

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 766

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 2540

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

RIGGER

RIGGER SAFETY TRAINING Level: 2

Hours:

Type: TRADE THEORY

NUS-TRAINING CORPORATION

RIGGER SAFETY TRAINING Level: 2

Hours:

Type: ACADEMIC ICS-INTEXT

CRANE & RIGGING SAFETY CONSID. Level: 2/3

Hours:

Type: ACADEMIC & TRADE THEORY

BOB DEBENEDICTIS, INC.

SHEETMETAL MECHANIC

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

SHEETMETAL: BASIC Level: 1
Hours: 160

Type: TRADE THEORY

SAN DIEGO TECHNICAL INSTITUTE

2935-07 Level: 1

Hours:

Type: ACADEMIC

HARBOR OCCUPATIONAL CENTER

APPRENTICESHIP Level: 1
Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

APPRENTICESHIP Level: 1

Hours: 520
Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

SHEETMETAL MECHANIC

APPRENTICESHIP Level: 1 Hours: 32

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1 APPRENTICESHIP Hours: 432

> Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

PRE-EMPLOYMENT Level: 1

Hours: 200

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

ORIENTATION Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SAFETY Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NOMENCLATURE/SHIP TERMS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

METALS & THEIR PROPERTIES Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

HAND TOOLS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHEETMETAL MECHANIC

SHEETMETAL FASTNERS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPAYRD

MACHINES USED IN SHEETMETAL Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPAYRD

BEND ALLOWENCE Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SEAMS & ALLOWENCES Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SOLDERING Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

BLUEPRINT READING Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

INTRO TO ELEMENTARY LAYOUT Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

NUMERICAL CONTROL PROGRAMMING Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

SHEETMETAL MECHANIC

SHIPS VENTILATION SYSTEMS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1 Hours: 560

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 840

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 720

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

FABRICATION & LAYOUT Level: 1/2

Hours: 90

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

BLUEPRINT READING Level: 1/2

Hours: 90

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

Level: 2 Hours: 26 ADVANCED SHEETMETAL

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

Level: 3 Hours: 12 VISUAL INSPECTION

Type: TRADE THEORY

SHIPFITTER

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

SHIPFITTING: BASIC Level: 1

Hours: 200

Type: TRADE THEORY

SAN DIEGO TECHNICAL INSTITUTE

2935-07 Level: 1

Hours:

Type: ACADEMIC

HARBOR OCCUPATIONAL CENTER

SHIPFITTER LEARNER TRAINING Level: 1

Hours:

Type: TRADE THEORY BAKER MARINE CORP.

Level: 1 Hours: 520 SHIPFITTER

Type: TRADE THEORY

R.E. DERECKTOR OF R.I., INC.

SHIPFITTERS Level: 1

Hours:

Type: TRADE THEORY

TODD PACIFIC SHIPYARDS/LOS ANGELES

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

URNING CLASS Level: 1

Hours: 24

Type: TRADE THEORY PETERSON BUILDERS, INC.

SHIPFITTER

Level: 1 Hours: 24 TACKING/WELDING CLASS

Type: TRADE THEORY

PETERSON BUILDERS, INC.

APPRENTICESHIP Level: 1

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

Level: 1 APPRENTICESHIP

Hours: 6,000

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

Level: 1 Hours: 6,000 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

Level: 1 Hours: 560 APPRENTICESHIP

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP Level: 1 Hours: 132

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 432

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

ON THE JOB TRAINING Level: 1

Hours: 440

Type: TRADE THEORY

SHIPFITTER

PRE-EMPLOYMENT Level: 1

> 240 Hours: Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1 Hours: 560 APPRENTICESHIP

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

Level: 1 Hours: 1,000 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

Level: 1 Hours: 1080 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

Level: 1/2 SHIPFITTER TRAINING COURSE

Hours: 96

Type: ACADEMIC & TRADE THEORY ALABAMA MARITIME CORPORATION

SHIPFITTING Level: 1/2

Hours: 90

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

BLUEPRINT READING Level: 1/2

Hours: 90

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

Level: 1/2 Hours: 8 LIFTING AND HANDLING

Type: TRADE THEORY

SHIPFITTER

CONDOR LIFT Level: 1/2

Hours: 3

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

TRIDENT REF. DIMEN. Level: 1/2 Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING Level: 1/2

Hours: 8

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2/3 Hours: 2 QUALITY ASSURANCE REVIEW

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

SHIPFITTING 405

Level: 2 Hours: 450 Type: TRADE THEORY SAN DIEGO CITY COLLEGE

FITTING Level: 2 Hours: 40

Type: ACADEMIC & TRADE THEORY

HBC BARGE, INC.

BLUEPRINT READING Level: 2

Hours: 20 Type: TRADE THEORY

JEFFBOAT, INC.

BLUEPRINT READING Level: 2

Hours: 52

Type: TRADE THEORY

BETHLEHEM STEEL/SPARROWS POINT

SHIPFITTER

LOCKWIRE PROCEDURES Level: 2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

LEVEL 1 MATERIAL Level: 2 Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

PRACTICAL FACTORS RADCON Level: 2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

YEARLY REFRESHERS Level: 2

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 2 HOLE ALIGNMENT

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS\ELECTRIC BOAT

Level: 2 TOOL USAGE

Hours: 4

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

WATER LEVELS Level: 2

Hours: 2

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CAL SYSTEM Level: 2

Hours: 2

Type: TRADE THEORY

SHIPFITTER

PAPERWORK

Level: 2 Hours: 2 Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

POST EMPLOYMENT

Level: 2 Hours: 40 Type: TRADE THEORY

SHIPWRIGHT

SHIPS NOMENCLATURE Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

ALLIED TRAINING (CARPENTER) Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

STAGE (SCAFFOLD) BUILDING Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

DRYDOCK PREPARATION Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

OPTICAL ALIGNMENT EQUIPMENT Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

CARE AND USE OF HANDTOOLS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

WOODEN DECKS AND FOUNDATIONS Level: 1

Hours:

Type: TRADE THEORY

PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1

Hours: 440
Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

SHIPWRIGHT

APPRENTICESHIP Level: 1 Hours: 116

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1 Hours: 440 APPRENTICESHIP

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

Level: 1 Hours: 740 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY

PORTSMOUTH NAVAL SHIPYARD

APPRENTICESHIP

Level: 1 Hours: 1700 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

TACKER/ BURNER

PROTECTION OF PIPE & COMPONENT Level: 2

Hours: 2

Type: TRADE THEORY

WELDER

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING

ARC WELDING FITTING Level: 1 Hours: 200

Type: TRADE THEORY

SAN DIEGO TECHNICAL INSTITUTE

APPRENTICESHIP Level: 1

Hours: 2000

Type: ACADEMIC & TRADE THEORY

HBC BARGE, INC.

WELDING Level: 1

Hours:

Type: TRADE THEORY

TODD PACIFIC SHIPYARDS/LOS ANGELES

APPRENTICESHIP Level: 1

Hours: 8,000

Type: ACADEMIC & TRADE THEORY

GENERAL DYNAMICS/QUINCY

APPRENTICESHIP Level: 1

Hours: 6,144

Type: TRADE THEORY

INGALLS SHIPBUILDING DIVISION

QUALIFICATIONS TRAINING

Level: 1 Hours: 24 Type: TRADE THEORY PETERSON BUILDERS, INC.

WELDING Level: 1

Hours: 280

Type: TRADE THEORY

NATIONAL STEEL & SHIPBUILDING COMPANY

WELDER

Level: 1
Hours: 4,000 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

Level: 1 Hours: 400 APPRENTICESHIP

Type: ACADEMIC

TRIDENT TECHNICAL COLLEGE

Level: 1 APPRENTICESHIP Hours: 176

Type: TRADE THEORY

CHARLESTON NAVAL SHIPYARD

Level: 1 APPRENTICESHIP Hours: 144

Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1 ON THE JOB TRAINING

Hours: 480

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1 Hours: 504 APPRENTICESHIP

Type: TRADE THEORY

PEARL HARBOR NAVAL SHIPYARD

Level: 1 APPRENTICESHIP

Hours: 824

Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

Level: 1 Hours: 920 APPRENTICESHIP

Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

WELDER

Level: 1/2 COMB/WELDER Hours: 1040

Type: ACADEMIC & TRADE THEORY

SAN DIEGO CITY COLLEGE

Level: 1/2 WELDING COURSE I

Hours:

Type Not Indicated

SO.WESTERN OREGON COMMUNITY COLLEGE

Level: 1/2 UPGRADING & CERT. OF WELDERS

Hours:

Type: TRADE THEORY

ALABAMA INSTITUTE DEV. TRAINING INST.

Level: 1/2 Hours: 320 BASIC WELDING

Type: TRADE THEORY

GENERAL DYNAMICS/OUINCy

Level: 1/2 Hours: 120 SEMI AUTOMATIC WELDING

Type: TRADE THEORY

GENERAL DYNAMICS/QUINCY

Level: 1/2 Hours: 80 AUTOMATIC WELDING

Type: TRADE THEORY

GENERAL DYNAMICS/QUINCY

Level: 1/2 WELDING

Hours: 225

Type: TRADE THEORY

FLORIDA JUNIOR COLLEGE - JACKSONVILLE

Level: 1/2 Hours: 4 PRE-HEAT

Type: TRADE THEORY

WELDER

MACHINE BREAKDOWN Level: 1/2 Hours: 16

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CERAMIC TILE (PULSE) Level: 1/2 Hours: 40

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

CERAMIC TILE (SMAW) Level: 1/2 Hours: 32

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

FLUX CORE, NON-NUCLEAR Level: 1/2

Hours: 80

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

FLUX CORE, NUCLEAR Level: 1/2

Hours: 80

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

GNAW MACHINE SPRAY Level: 1/2 Hours: 120

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

Level: 1/2 Hours: 120 GMAW MACHINE PULSE

Type: TRADE THEORY

GENERAL DYNAMICS/ELECTRIC BOAT

COMB WELDING Level: 2

Hours: 600+

Type: TRADE THEORY

CENTRE CITY SKILL CENTER

WELDER

Level: 2 Hours: 30 ALUMINUM WELDING

Type: TRADE THEORY

ST. PAUL AREA VOCATIONAL TECH. INST.

Level: 2 Hours: 40 WELDING

Type: TRADE THEORY HBC BARGE, INC.

Level: 2 WELDER

Hours: 60

Type: TRADE THEORY JEFFBOAT, INC.

WELDER Level: 2

Hours:

Type: TRADE THEORY DRAVO CORPORATION

RECALL/REFRESHER Level: 2

Hours: 8

Type: TRADE THEORY

BETHLEHEM STEEL/SPARROWS POINT

Level: 2 UPGRADING

Hours:

Type: TRADE THEORY

BETHLEHEM STEEL\SPARROWS POINT

BRAZING Level: 2

Hours: 32

Type: TRADE THEORY

SECTION B

DIRECTORY OF TRAINING AIDS

A List of Resources Available
For Skilled Trades Training

December 1983

SECTION B

DIRECTORY OF TRAINING AIDS

This directory contains information on training aids which supplement skilled trades training courses for 20 trades, including those offered to "All Trades".

Information about each training aid is diplayed in the following format:

TTTLE

TYPE OF TRAINING AID LEVEL OF TRAINING

SOURCE OF TRAINING AID

Training aids are listed according to trade name in alphabetical order, as found at the top of each page. The index on the next page provides the reader with the page number on which each trade begins.

Within each trade, information is indexed according to the type of training aid, in the following order:

Article
Book
Charts/Posters
Manual
Movie
Slides
Videotapes
Workbook

The level of training is:

1 = Apprentice
2 = Mechanic
3 = Manager

Definitions for these three levels, as well as for the trades, can be found on pages i-iv of this document.

Contact information for the source of the training aids can be found in Section C, Part 1 "List of Participating Shipyards" if it is a shipyard source, or in section C, Part 3 "List of Sources for Training Aids".

DIRECTORY OF TRAINING AIDS

INDEX

All Trades Boilermaker Carpenter Electrician Electrician (Inside) Electronics Mechanic Insulator Loftsman Machinist Machinist (Outside)	B-1 B-18 B-20 B-21 B-28 B-29 B-33 B-34 B-35 B-38
Molder Ordnance Equipment Mech.	B-39 B-40
Painter	B-41
Patternmaker	B-46 B-47
Pipefitter Pipewelder	B-47 B-49
Rigger/Crane Operator	B-50
Sheetmetal Mechanic Shipfitter Shipwright	B-52 B-54 B-56
Welder	B-58

DIRECTORY OF TRAINING AIDS

ALL TRADES

WEEKLY SAFETY TIPS OFFICE SAFETY & HEALTH ADMINISTRATION	BOOK LEVEL:	2/3
BACK OWNER'S MANUAL PATIENT INFORMATION MANUAL	BOOK LEVEL:	1/2/3
MERCHANT SHIP CONSTRUCTION BROWN, SON & FERGUSON, LTD.	BOOK LEVEL:	1/2/3
SHIP DESIGN & CONSTRUCTION SNAME	BOOK LEVEL:	1/2/3
SHIP & AIRCRAFT FAIRING & DEV CORNELL MARITIME PRESS	BOOK LEVEL:	1/2/3
ENGINEERING DRAWING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1/2/3
SHIPFITTING HANDBOOK GENERAL DYNAMICS/QUINCY	BOOK LEVEL:	1/2/3
NATL SHIPBLDG RESEARCH PROG REPORTS MARITIME ADMINISTRATION	BOOK LEVEL:	1/2/3
MACHINE TOOL OPERATIONS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1/2/3

DIRECTORY OF TRAINING AIDS

ALL TRADES

MODERN SHOP PRACTICES BOOK LEVEL: 1/2/3 AMERICAN TECHNICAL SOCIETY INTRO TO STEEL SHIPBUILDING BOOK LEVEL: 1 MCGRAW-HILL BOOK COMPANY PRACTICAL MATHEMATICS BOOK LEVEL: 1 AUTHOR: PALMER, BIBB, JARVIS & MRACHEK MATHEMATICS - A BASIC COURSE BOOK LEVEL: 1 CAMBRIDGE BOOK COMPANY BASIC INDUSTRIAL MATH BOOK LEVEL: 1 MCGRAW-HILL BOOK COMPANY MATHEMATICS FOR TECH & VOC SCHOOLS BOOK LEVEL: 1 JOHN WILEY & SONS, INC. PRACTICAL MATHEMATICS BOOK LEVEL: 1 MCGRAW-HILL BOOK COMPANY BOOK MATHEMATICS, VOLUME I LEVEL: 1 NAVPERS 10069-C INTRO TO TECHNICAL MATHEMATICS BOOK LEVEL: 1

CUMMINGS PUBLISHING COMPANY

MATHEMATICS FOR MACHINE TECHNOLOGY DELMAR PUBLISHERS	BOOK LEVEL:	1
WRITING FOR OCCUPATIONAL EDUCATION CANFIELD PRESS	BOOK LEVEL:	1
BETTER ENGLISH MADE EASY POPULAR LIBRARY	BOOK LEVEL:	1
ENGLISH 2600 HARCOURT, BRACE, JOVANOVICH, INC.	BOOK LEVEL:	
HARBRACE COLLEGE HANDBOOK HARCOURT, BRACE, JOVANOVICH, INC.	BOOK LEVEL:	1
WEBSTER'S NEW WORLD DICTIONARY THE WORLD PUBLISHING COMPANY	BOOK LEVEL:	1
PRINCIPLES OF SPEECH & COMMUNICATION SCOTT, FORESMAN AND COMPANY	BOOK LEVEL:	1
INTRODUCTORY APPLIED PHYSICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
BASIC MACHINES NAVPERS 10624-A	BOOK LEVEL:	

ELEMENTARY METALLURGY DOVER PUBLICATIONS, INC.	BOOK LEVEL:	1
BASIC BLUEPRINT READING & SKETCHING DELMAR PUBLISHERS	BOOK LEVEL:	1
MECHANICAL DRAWING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
BLUEPRINT READING & SKETCHING NAVPERS 10077-D	BOOK LEVEL:	1
SIZE AND FORMAT AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
LINE CONVENTIONS, SECTIONING, LETTE AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
PROJECTIONS AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
PICTORIAL DRAWING AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
DIMENSIONING & TOLERANCING (ENGNR) AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1

SCREW THREADS AMERICAN N	NATIONAL	STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1
GEARS, SPLINES AND SE			INSTITUTE,	BOOK LEVEL: INC	1
GEAR DRAWING STANDARD		STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1
FORGINGS AMERICAN N	NATIONAL	STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1
METAL STAMPINGS AMERICAN N	NATIONAL	STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1
PLASTICS AMERICAN N	NATIONAL	STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1
MECHANICAL ASSEMBLIES AMERICAN N		STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1
ELECTRICAL & ELECTRON AMERICAN N			INSTITUTE,	BOOK LEVEL: INC	1
INTERCONNECTION DIAGE		STANDARDS	INSTITUTE,	BOOK LEVEL: INC	1

FLUID POWER DIAGRAMS	BOOK LEVEL:	1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC	
GRAPHIC SYMBOLS (ELECTRICAL DIAGRAM)	BOOK LEVEL:	1
AMERICAN NATIONAL STANDARDS INSTITUTE,		_
GRAPHIC ELECRICAL WIRING SYMBOLS	BOOK	
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	1
UNIFIED SCREW THREADS	BOOK	1
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	Τ
SQUARE AND HEX BOLTS AND SCREWS	BOOK LEVEL:	1
AMERICAN NATIONAL STANDARDS INSTITUTE,		_
SQUARE AND HEX NUTS	BOOK	
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	1
SOCKET CAP, SHOULDER AND SET SCREWS	BOOK	
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	1
SLOTTED HEAD CAP SCREWS, SQUARE HEAD	BOOK	_
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	Τ
MACHINE SCREWS & SCREW NUTS	BOOK	1
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	Τ

WOODRUFF KEY AND KEYSLOT DIMENSIONS	BOOK	1
AMERICAN NATIONAL STANDARDS INSTITUTE,	LEVEL: INC	1
KEYS AND KEYSETS AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
LOCK WASHERS AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
PLAIN WASHERS	BOOK LEVEL:	1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC	
SURFACE TEXTURE AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
MECHANICAL DRAWING	BOOK LEVEL:	1
MCGRAW-HILL BOOK COMPANY		_
INTERPRETING ENGINEERING DRAWINGS DELMAR PUBLISHERS	BOOK LEVEL:	1
PRACTICES FOR RESPIRATORS AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: INC	1
MODERN SHIP DESIGN NAVAL INSTITUTE PRESS	BOOK LEVEL:	1

ALL TRADES

PRACTICAL MATHEMATICS, 6TH ED. BOOK LEVEL: 1 AUTHOR: PALMER, BIBB, JARVIS & MARCHEK METALLURGY, 5TH ED. BOOK LEVEL: 1 AUTHOR: JOHNSON & WEEKS INTRODUCTION TO APPLIED PHYSICS BOOK LEVEL: 1 AUTHOR: HARRIS & HEMMERLING STRENGTH OF MATERIALS, 3RD ED. BOOK LEVEL: 1 AUTHOR: BRENEMAN ELEMENTS OF MACHINE DESIGN BOOK LEVEL: 1 AUTHOR: ROSENTHAL & BISCHOF WRITING SKILLS FOR TECH STUDENTS BOOK LEVEL: 1 DELAWARE TECHNICAL & COMMUNITY COLLEGE HUMAN BEHAVIOR BOOK LEVEL: 1 NAVEDTR 016-01-69-80 INTERPRETING ENGINEERING DRAWINGS BOOK LEVEL: 1 AUTHOR: JENSEN & HINES MECHANICAL DRAWING, 9TH ED. BOOK LEVEL: 1 MCGRAW-HILL BOOK COMPANY

ELEM MATH FOR THE TECHNICIAN MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
PLANE TRIGONOMETRY MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
APPLIED PHYSICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
INTRO TO STEEL SHIPBUILDING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
LABOR - MANAGEMENT RELATIONS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
STRENGTH OF MATERIALS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
INTERMEDIATE ALGEBRA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
HOW TO SOLVE WORD PROB IN ALGEBRA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
WEBSTER'S NEW COLLEGIATE DICTIONARY G. & C. MERRIAM COMPANY	BOOK LEVEL:	1

DESCRIPTIVE GEOMETRY ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL:	1
PRACTICALLY SPEAKING IN BUSINESS ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL:	
WRITING FOR RESULTS, PRINCIPLES & ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL:	1
TECHNICAL DRAWING, 7TH ED. MACMILLAN PUBLISHING COMPANY	BOOK LEVEL:	
ESSENTIALS OF MATHEMATICS JOHN WILEY & SONS, INC.	BOOK LEVEL:	1
PHYSICS FOR CAREER EDUCATION PRENTICE-HALL, INC.	BOOK LEVEL:	1
ENGLISH SKILLS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
BASIC TECHNICAL DRAWING MACMILLAN PUBLISHING COMPANY	BOOK LEVEL:	1
PRACTICAL TA IN MANAGEMENT ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL:	1

PRAC. FOR RESPIRATORY PROTECTION AMERICAN NATIONAL STANDARDS INSTITUTE,	MANUAL LEVEL: INC	2/3
AERIAL LIFTS:OPER. & SAFETY MANUALS MARR SCAFFOLDING	MANUAL LEVEL:	2
TIME MANAGEMENT HAWAII EDUCATIONAL COUNCIL	MANUAL LEVEL:	3
DANGER ZONE: YOUR BACK VISUCOM	MOVIE LEVEL:	1/2/3
NEW BREATH OF LIFE PYRAMID FILMS	MOVIE LEVEL:	1/2/3
MULTIMEDIA STANDARD FIRST AID AMERICAN RED CROSS SOCIETY	MOVIE LEVEL:	1/2/3
PRODUCTION OF COPPER CHARLESTON NAVAL SHIPYARD	MOVIE LEVEL:	1
PRODUCTION OF STEEL CHARLESTON NAVAL SHIPYARD	MOVIE LEVEL:	1
HOW TO ELIMINATE & CONTROL ABSENTEE BUREAU OF BUSINESS PRACTICES	MOVIE LEVEL:	3

AVOIDING COMMUNICATION BREAKDOWN BNA	MOVIE LEVEL:	3
THIS MATTER OF MOTIVATION DARTNELL CORP.	MOVIE LEVEL:	3
THE LAST ROUND JOURNAL FILMS, INC.	MOVIE LEVEL:	3
MEANINGS ARE IN PEOPLE BNA	MOVIE LEVEL:	3
KNOWING YOUR EMPLOYEES INDV DIFFERE AMERICAN MANAGEMENT ASSOCIATION	MOVIE LEVEL:	3
DELEGATING BRM - MCGRAW-HILL FILMS	MOVIE LEVEL:	3
A PERFECTLY NORMAL DAY CALLY-CURTIS COMPANY	MOVIE LEVEL:	3
THE TIME OF YOUR LIFE CALLY-CURTIS COMPANY	MOVIE LEVEL:	3
SHIPBUILDING TECHNOLOGY TRANSFER AVMAST	MOVIE LEVEL:	1

SHIPBUILDING TODAY AVMAST	MOVIE LEVEL: 1
REAPS (RSCH & ENGR FOR AUTO/PROD) AVMAST	MOVIE LEVEL: 1
NATIONAL SHIPBUILDING RESEARCH PROG AVMAST	MOVIE LEVEL: 1
THE APPRENTICE EXPERIENCE NEWPORT NEWS SHIPBUILDING	MOVIE LEVEL: 1
SHIPBUILDING TRADES THAT MAKE IT NEWPORT NEWS SHIPBUILDING	MOVIE LEVEL: 1
I CHRISTEN THEE NEWPORT NEWS SHIPBUILDING	MOVIE LEVEL: 1
SKILL AND SOPHISTICATION AVMAST	MOVIE LEVEL: 1
REBIRTH OF A TANKER BETHLEHEM STEEL SHIPYARD	MOVIE LEVEL: 1
CROSS TYPE CONVERSION MITSUBISHI HEAVY INDUSTRIES, INC.	MOVIE LEVEL: 1

ALL TRADES

MITSUBISHI HEAVY INDUSTRIES MOVIE LEVEL: 1

MITSUBISHI HEAVY INDUSTRIES, INC.

TOKYO MARU MOVIE LEVEL: 1

AVMAST

TO BUILD GIGANTIC SHIPS MOVIE
LEVEL: 1

AVMAST

SHIPYARD SAFETY SLIDES LEVEL: 2/3

AMERICAN WATERWAYS SHIPYARD CONFERENCE

SHIPYARD OVERVIEW SLIDES
LEVEL: 1

R.E. DERECKTOR OF R.I., INC.

SCAFFOLD SAFETY SLIDES

NATIONAL STEEL & SHIPBUILDING COMPANY

SKYCLIMBER SAFETY SLIDES

LEVEL: 1/2/3

NATIONAL STEEL & SHIPBUILDING COMPANY

FACTS ON BACKS SLIDES, VIDEOTAPES

LEVEL: 1/2/3

LEVEL: 1/2/3

AWS CONFERENCE: SHIPYARD SAFETY TRAINING

QUALITY CIRCLES SLIDES, VIDEOTAPES

LEVEL: 1/2/3

PRODUCTIVITY DEVELOPMENT SYSTEMS

ALL TRADES

MANAGEMENT DEVELOPMENT SLIDES, MOVIE , VIDEO

LEVEL: 3
BATH IRON WORKS CORPORATION

THE APPRENTICE EXPERIENCE VIDEOTAPE LEVEL: 1

NEWPORT NEWS SHIPBUILDING

INDUSTRIAL WEIGHTLIFTER II VIDEOTAPE LEVEL: 1/2/3

INTERNATIONAL FILM BUREAU

NEW PULSE OF LIFE VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

DON'T PUSH YOUR LUCK VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

THE SOUND OF SOUND VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

COLOR OF DANGER VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

ANATOMY OF A GRIEVANCE VIDEOTAPE
LEVEL: 1

LONG BEACH NAVAL SHIPYARD

DELIBERATE MALPRACTICE VIDEOTAPE

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

ALL TRADES

TRAINING FOR READINESS VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD ASBESTOS-AN INTRO FOR NEW EMPLOYEES VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD THE LIMITED ASBESTOS WORKER VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD ONLY NUMBER ONE VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD ARBITRATION OF A GRIEVANCE VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD SUPERVISION VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD DRUG ABUSE VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD LABOR MANAGEMENT RELATIONS VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD SAFETY & HEALTH VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD

ALL TRADES

ZAP: STATIC AWARENESS VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD WOMEN MOVING UP VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD SUBMARINE DOCKING VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD SHIP NOMENCLATURE VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD SHIPYARD SIGNS & SYMBOLS VIDEOTAPE LEVEL: 1 LONG BEACH NAVAL SHIPYARD A CALL TO ARMS VIDEOTAPE LEVEL: 1 NASHUA CORPORATION MACHINE TOOL OPERATION WORKBOOK LEVEL: 1/2/3 MCGRAW-HILL BOOK COMPANY BUSINESS ENGLISH ESSENTIALS, 6TH ED WORKBOOK LEVEL: 1 MCGRAW-HILL BOOK COMPANY BASIC MATH SKILLS - A WORKBOOK WORKBOOK LEVEL: 1

MCGRAW-HILL BOOK COMPANY

BOILERMAKER

STEEL SHIP	BUILDING	BOOK	1
	JACKSON COUNTY JUNIOR COLLEGE	LEVEL:	Τ
METALLURGY	JACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL:	1
FIREMAN		BOOK	
	NAVPERS 10520-C	LEVEL:	1
BOILERMAKER	R 1 & C NAVPERS 10537	BOOK LEVEL:	1
BOILER TECH	HNICIAN 3 & 2 NAVPERS 10535-5	BOOK LEVEL:	1
SHEETMETAL	PATTERN DRAFTING PROBLEM CHARLES A. BENNETT CO., INC.	BOOK LEVEL:	1
MECHANICAL	MAINT TRAINING: BOILERS LONG BEACH NAVAL SHIPYARD	VIDEOTA LEVEL:	
MECHANICAL	MAINT TRAINING: BOILERS LONG BEACH NAVAL SHIPYARD	VIDEOTA LEVEL:	
HYDROSTATIO	C TESTING OF BOILERS LONG BEACH NAVAL SHIPYARD	VIDEOTA LEVEL:	

BOILERMAKER

BASIC TECHNICAL DRAWING

INGALLS SHIPBUILDING DIVISION

BLUEPRINT READING FOR SHIPFITTERS

WORKBOOK
LEVEL: 1

INGALLS SHIPBUILDING DIVISION

CARPENTER

WOODWORKING FOR INDUSTRY BOOK/WORKBOOK LEVEL: 1 CHARLES A. BENNETT CO., INC. DEVELOPED IN-HOUSE SLIDES LEVEL: 1 R.E. DERECKTOR OF R.I., INC. BASIC TECHNICAL DRAWING WORKBOOK LEVEL: 1 INGALLS SHIPBUILDING DIVISION BLUEPRINT READING FOR CARPENTERS WORKBOOK LEVEL: 1 INGALLS SHIPBUILDING DIVISION CARPENTRY I WORKBOOK LEVEL: 1 INGALLS SHIPBUILDING DIVISION CARPENTRY II WORKBOOK LEVEL: 1 INGALLS SHIPBUILDING DIVISION CARPENTRY III WORKBOOK LEVEL: 1

INGALLS SHIPBUILDING DIVISION

BASIC ELECTRICITY & MARINE APPL HADEN BOOK COMPANY	BOOK LEVEL:	1
COMB CIRCUITS, MAGNETISM, & AC THEOR HADEN BOOK COMPANY	BOOK LEVEL:	1
AC THEORY, METERS & BATTERIES HADEN BOOK COMPANY	BOOK LEVEL:	1
MOTORS, GENERATORS & ALTERNATORS HADEN BOOK COMPANY	BOOK LEVEL:	1
ELEC MOTOR CONTROL & BASIC ELECTRON JACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL:	1
ADV ELECTRONICS & STATIC MOTOR CONT JACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL:	1
ELECTRICITY ONE-SEVEN LIBRARY OF CONGRESS: GENERAL SERV. ADM	BOOK LEVEL: IN.	1
ELECTRICITY ONE-SEVEN HAYDON BOOK COMPANY	BOOK LEVEL:	
RELATED INFO:ELECTRICITY VOL I - IV DELMAR PUBLISHERS	BOOK LEVEL:	1/2/3

ELECTRICAL ENGINEERING VOL I & II DAWES	BOOK LEVEL:	1/2/3
ELECTRICAL INFORMATION HANDBOOK PUGET SOUND NAVAL SHIPYARD	BOOK LEVEL:	1
BASIC ELECTRICITY NAVPERS 10086-B	BOOK LEVEL:	1
BASIC ELECTRONICS NAVPERS 10087-C	BOOK LEVEL:	1
BASIC MATHEMATICS FOR ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
ELECTRICIAN'S MATE 3 & 2 NAVEDTRA 10546-D	BOOK LEVEL:	1
SHIPBOARD ELECTRICAL SYSTEMS NAVPERS 10864-C	BOOK LEVEL:	1
HAMPDEN LABORATORY MANUALS HAMPDEN LABORATORY	BOOK LEVEL:	1
CIRCUIT CONCEPTS: AC & DC AUTHOR: T.S. KUBULA	BOOK LEVEL:	1

SOLID STATE ELECTRONICS AUTHOR: TEDESCHI AND TABER	BOOK LEVEL:	1
PULSE AND LOGIC CIRCUITS DELMAR PUBLISHERS	BOOK LEVEL:	1
ESSENTIALS-ELECTRICITY/ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
INTRODUCTORY APPLIED PHYSICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
APPLIED AND INDUSTRIAL ELECTRONICS HALL, BRODHEAD-GARRETT COMPANY	BOOK LEVEL:	1
ALTERNATING CURRENT FUNDAMENTALS DELMAR PUBLISHERS	BOOK LEVEL:	1
SYNCHROS NAVORD OP 1303	BOOK LEVEL:	1
FIRE MARSHALL/GAS ENGINEERS MANUAL CNSYDINST P5100 & CNSYDINST P5100.43	BOOK LEVEL:	1
ELECTRONIC CIRCUITS/SYSTEMS/SUPPLEM CTI EDUCATION PRODUCTS	BOOK LEVEL:	1

ESSENTIALS OF COMMUNICATIONS ELECTR MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
RADAR ELECTRONICS FUNDAMENTALS NAVSHIPS 900,016	BOOK LEVEL:	1
RADAR SYSTEM FUNDAMENTALS NAVSHIPS 900,017	BOOK LEVEL:	1
ELECTRONIC COMMUNICATION MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
FUNDAMENTALS OF ELECTRONICS AIR FORCE MANUAL 101-8	BOOK LEVEL:	1
DIGITAL ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
ACTIVES MANUAL FOR DIGITAL ELECTRON MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
TEACHER'S MANUAL FOR DIGITAL ELECTR MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
BASIC ELECTRICITY MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1

ELECTRICIAN

BOOK ELECTRICIAL MACHINES: AC & DC LEVEL: 1 MCGRAW-HILL BOOK COMPANY BOOK ELECTRICITY (PRINCIPLES & APPL) LEVEL: 1 MCGRAW-HILL BOOK COMPANY BOOK ELECTRONICS (PRINCIPLES & APPL) LEVEL: 1 MCGRAW-HILL BOOK COMPANY BOOK ELECTRICIAL WIRING RESIDENTIAL LEVEL: 1 DELMAR PUBLISHERS BOOK ELECTRIC MOTOR CONTROL LEVEL: 1 DELMAR PUBLISHERS BOOK NATIONAL ELECTRICAL CODE LEVEL: 1 NATIONAL FIRE PROTECTION ASSOCIATION BOOK/WORKBOOK PLANT ELECTRICAL MAINTANENCE LEVEL: 1 ICS-INTEXT MOVIE CURRENT FLOW: WHAT IT IS LEVEL: 1 NATIONAL STEEL & SHIPBUILDING COMPANY MOVIE WHAT CAUSES CURRENT FLOW LEVEL: 1

NATIONAL STEEL & SHIPBUILDING COMPANY

HOW MAGNETS PRODUCE ELECTRICITY	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	TRAFT. T
ELECTRON THEORY	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	TE/ET. I
WIRES, SIZES & VOLTAGE	MOVIE
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1
DEFINITION & ANALYSIS OF AC	MOVIE
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1
AC SERIES CIRCUITS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	TEAET. T
AC PARALLEL CIRCUITS	MOVIE
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1
BASIC ELECTRICITY CAPACITANCE	MOVIE
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1
BASIC ELECTRICITY: DC METERS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	TPAPT• T
DC MOTORS: THEORY OF OPERATION	MOVIE
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1

SPLIT PHASE MOTOR NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1
MOTORS & GENERATORS NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1
DC CURRENT GENERATORS NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1
INDUCTANCE IN AC CIRCUITS NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1
PULLING & INSTALLING CABLE NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1
SHIPBOARD INSTALL. OF WIREWAYS NATIONAL STEEL & SHIPBUILDING COMPANY	SLIDES LEVEL: 1
ELECTRICIAN LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
VARIOUS ELEC EQUIP:CNTRL & MOTORS HAYDON BOOK COMPANY	WORKBOOK LEVEL: 2

ELECTRICIAN (INSIDE)

ELECTRICITY ONE-SEVEN BOOK

HAYDON BOOK COMPANY

PLANT ELECTRICAL MAINTANENCE BOOK/WORKBOOK

ICS-INTEXT LEVEL: 1

VARIOUS ELEC EQUIP:CNTRL & MOTORS WORKBOOK LEVEL: 2

HAYDON BOOK COMPANY

ELECTRONIC MECHANIC

DIGITAL COMPUTER PRINCIPLES MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1/2
BINARY ARITHMETIC & BOOLEAN ALGEBRA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1/2
DIGITAL COMPUTER BASICS NAVTRA 10088-A	BOOK LEVEL:	1/2
BOOLEAN ALGEBRA NAVPERS 92901	BOOK LEVEL:	1/2
BI-TRAN SIX TECHNICAL OPS MANUAL FABRI-TEK, INC.	BOOK LEVEL:	1/2
DIGITAL PRINCIPLES & APPLICATIONS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1/2
DIGITAL TROUBLE SHOOTING AUTHOR: GASPERINI, MOVONICS	BOOK LEVEL:	1/2
DIGITAL COMPUTER FUNDAMENTALS UNIVAC	BOOK LEVEL:	1/2
LOGI-TRAN DEMO BOARD WORKBOOK FABRI-TEK, INC.	BOOK LEVEL:	1/2

ELECTRONIC MECHANIC

TOOLS & THEIR USES NAVPERS 10085-B	BOOK LEVEL: 1
BASIC ELECTRONICS VOL. I & II NAVPERS 10087-C & 10087-C1	BOOK LEVEL: 1
MATHEMATICS VOL. I NAVEDTRE 10069-D	BOOK LEVEL: 1
MATHEMATICS, VOL. II NAVPERS 10071-B	BOOK LEVEL: 1
MATHEMATICS, VOL. III NAVPERS 10073-A	BOOK LEVEL: 1
BASIC MATHEMATICS FOR ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BASIC ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BASIC ELECTRONICS, 2nd ED. RESTON PUBLISHERS	BOOK LEVEL: 1
BASIC ELECTRONICS FOR ENGR. TECH. PRENTICE-HALL PUBLISHERS	BOOK LEVEL: 1

ELECTRONIC MECHANIC

ELECTRONIC CIRCUIT ANALYSIS VOL. I

BOOK
LEVEL: 1

MCGRAW-HILL BOOK COMPANY

TRANSISTOR CIRCUIT DESIGN & ANALYSI

BOOK
LEVEL: 1

CRC PRESS

ELECTRONICS MECHANIC VIDEOTAPE LEVEL: 1

LONG BEACH NAVAL SHIPYARD

ELECTROPLATER

ELECTROPLATING VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

LEVEL: 1

ELECTROPLATING (CHROMIMUM) VIDEOTAPE

LONG BEACH NAVAL SHIPYARD

INSULATOR

SHEETMETAL PATTERN DRAFTING PROBLEM

BOOK
LEVEL: 1

CHARLES A. BENNETT CO., INC.

INSULATOR VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

LOFTSMAN

BASIC ALKON

BOOK/TRANSPARENCIES LEVEL: 1

SHIPPING RESEARCH SERVICES

MACHINIST

TOOLS AND THEIR USES

BOOK
LEVEL: 1

NAVPERS 10085-B

SHOP THEORY, SIXTH ED.

BOOK
LEVEL: 1

MCGRAW-HILL BOOK COMPANY

SHOP THEORY, 6TH ED.

BOOK
LEVEL: 1

MCGRAW-HILL BOOK COMPANY

ELEM BLUEPRINT READING, MACHINE SHOP

BOOK
LEVEL: 1

DELMAR PUBLISHERS

INTERMED BLUEPRINT READING FOR MACH
BOOK
LEVEL: 1

DELMAR PUBLISHERS

BLUEPRINT READING FOR INDUSTRY

BOOK/MOVIE/VIDEOTAPE

LEVEL: 1

THE GOODHEART-WILCOX COMPANY

TURNING TECH MACHINERY'S HANDBOOK BOOK/MOVIE/VIDEOTAPE

LEVEL: 1
INDUSTRIAL PRESS, INCORPORATED

TECHNOLOGY OF MACHINE TOOLS

BOOK/MOVIE/VIDEOTAPE

LEVEL: 1

MCGRAW-HILL/GREGG DIVISION

MODERN MARINE ENGINEERING MANUAL MANUAL LEVEL: 1

CORNELL MARITIME PRESS

MACHINIST

FRAME BENDER MOVIE
LEVEL: 1

NAVAL OCEAN SYSTEMS COMMAND & NASSCO

MACHINIST VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

TEVET: 1

SHAFT ALINGMENT VIDEOTAPE

LONG BEACH NAVAL SHIPYARD

VALVE SEAT REPAIR VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

HONG BEACH NAVAL SHIFTAND

BABBIT SLEEVE BEARINGS VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

HONG BENCH WIVIE BHILLING

POURING SPELTERED SOCKETS VIDEOTAPE

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

MACHINE TECHNOLOGY VIDEOTAPE

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

STUFFING TUBES VIDEOTAPES

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

BLUEPRINT READING FOR MACHINIST WORKBOOK

LEVEL: 1

INGALLS SHIPBUILDING DIVISION

MACHINIST

MACHINE SHOP WORKBOOK LEVEL: 1

INGALLS SHIPBUILDING DIVISION

MARINE ENGINEERING WORKBOOK LEVEL: 1

INGALLS SHIPBUILDING DIVISION

MACHINIST (OUTSIDE)

MODERN MARINE ENGINEERING MANUAL CORNELL MARITIME PRESS

MANUAL LEVEL: 1

MOLDER

PRINCIPLES OF METAL CASTING

AMERICAN FOUNDRYMENS SOCIETY

BOOK LEVEL: 1

ORDNANCE EQUIP. MECHANIC

FIRE CONTROL VIDEOTAPE LEVEL: 1

LONG BEACH NAVAL SHIPYARD

APPL. MAN. FOR PAINT & PROTECTIVE MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
AUTO BODY REPAIRING & REPAINTING GOODHEART-WILLCOX, INC.	BOOK LEVEL:	1
BENCH WOODWORK CHARLES A. BENNETT CO., INC.	BOOK LEVEL:	1
COLORING, FINISHING & PAINTING WOOD CHARLES A. BENNETT CO., INC.	BOOK LEVEL:	1
CORROSION CONTROL PRINCP. & METHODS AMERON CORROSION CONTROL DIVISION	BOOK LEVEL:	
FINISHING MATERIALS & METHODS MCKNIGHT & MCKNIGHT	BOOK LEVEL:	1
FURNITURE REPAIR & REFINISHING RESTON PUBLISHING CO., INC.	BOOK LEVEL:	1
GUIDENCE MANUAL NAT'L JOINT PAINTING, DECOR. APPR. TRA	BOOK LEVEL: IN.	1
HANDBOOK OF SURFACE PREPARATION PALMERTON PUBLISHING CO., INC.	BOOK LEVEL:	1

HOBBY & CRAFT GUIDE TO AIR BRUSHING BADGER AIR BRUSH CO.	BOOK LEVEL: 1
HOME PAINT BOOK GALAHAD BOOKS	BOOK LEVEL: 1
INTERIOR PAINTING, WALLPAPERING RESTON PUBLISHING CO., INC.	BOOK LEVEL: 1
MARINE COATING TECHNOLOGY TRACOR, INC.	BOOK LEVEL: 1
MARINE FOULING & IT'S PREVENTION UNITED STATES NAVAL INSTITUTE	BOOK LEVEL: 1
MATHEMATICS FOR PAINTING TRADES DELMAR PUBLISHERS, INC.	BOOK LEVEL: 1
MODERN CARPENTRY GOODHEART-WILLCOX, INC.	BOOK LEVEL: 1
ORGANIC COATINGS, PROP., SEL. & USE UNITED STATES DEPARTMENT OF COMMERCE	BOOK LEVEL: 1
PAINT FILM DEFECTS - CAUSES & CURES REINHOLD PUBLISHING CORP.	BOOK LEVEL: 1

PAINT FINISHING IN INDUSTRY ROBERT DRAPER, LTD.	BOOK LEVEL:	1
PAINT TECHNOLOGY MANUALS, VOL. I-VI REINHOLD PUBLISHING CORP.	BOOK LEVEL:	1
PAINTING & DECORATING MANUAL/TEXT PAINTING & DECORATING CONTRACTORS OF US	BOOK LEVEL: SA	1
PAINTING & DECORATING ENCYCLOPEDIA GOODHEART-WILLCOX, INC.	BOOK LEVEL:	1
PAINTS & COATINGS HANDBOOK STRUCTURES PUBLISHING COMPANY	BOOK LEVEL:	1
PICTORIAL SURFACE PREP. STANDARDS STEEL STRUCTURES PAINTING COUNCIL	BOOK LEVEL:	1
PREPARATION OF METALS FOR PAINTING REINHOLD PUBLISHING CORP.	BOOK LEVEL:	1
PROTECTIVE COATING SYSTEMS MOBIL CHEM. MAINT. & MARINE COATINGS	BOOK LEVEL:	1
DEV. IN ARCHITECTURAL/MAINT. PAINT FED. OF SOCIETIES FOR PAINT TECHNOLOGY	BOOK LEVEL:	1

SCREEN PRINTING HUNT MANUFACTURING COMPANY	BOOK LEVEL:	1
STEEL STRUCTURES PAINTING MANUAL STEEL STRUCTURES PAINTING COUNCIL	BOOK LEVEL:	1
THE COMPLETE AIRBRUSH BOOK WILLIAM PENN PUBLISHING CORP.	BOOK LEVEL:	1
THESAURUS OF PAINT & ALLIED TECH. FED. OF SOCIETIES FOR PAINT TECHNOLOGY	BOOK LEVEL:	1
TRAINING FOR PAINTING/DECOR. TRADE UNITED STATES DEPARTMENT OF THE INTERIOR	BOOK LEVEL: OR	1
UNDERSTANDING PAINT AMERICAN PAINT JOURNAL COMPANY	BOOK LEVEL:	1
WOOD FINISHING CHARLES A. BENNETT CO., INC.	BOOK LEVEL:	1
WOODWORKING FOR INDUSTRY CHARLES A. BENNETT CO., INC.	BOOK LEVEL:	1
STANDARD FIRST AID & PERSONAL SAFE AMERICAN RED CROSS SOCIETY	BOOK LEVEL:	1

PAINTER

PAINT & SURFACE PREPARATION

BOOK/SLIDES
LEVEL: 2/3

INSTITUTE OF APPLIED TECHNOLOGY

PAINTER VIDEOTAPE LEVEL: 1

LONG BEACH NAVAL SHIPYARD

PAINTING VIDEOTAPE

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

PATTERNMAKER

WOODWORKING TECH: JOINT APPLICATIONS AUTHOR: R.J. DECRISTOFORO	BOOK LEVEL: 1
CABINETMAKING AND MILLWORK AUTHOR: JOHN L. FEIRER	BOOK LEVEL: 1
AUDEL'S CARPENTERS & BUILDERS LIBRY AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL: 1
FUNDAMENTALS OF CARPENTRY, 5TH ED. AUTHOR: WALTER E. DURBAHN	BOOK LEVEL: 1

PIPEFITTER

	PIPEWELDER HANDBOOK LENCOE PUBLISHERS	BOOK LEVEL:	1
PIPE MATH	ACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL:	1
AUDEL'S LIBR	ARY UDEL & COMPANY, PUBLISHERS	BOOK LEVEL:	2
PIPE TEMPLAT	E LAYOUT SAN DIEGO TECHNICAL INSTITUTE	BOOK LEVEL:	1
GENERAL MATH	AN DIEGO TECHNICAL INSTITUTE	BOOK LEVEL:	
	TER'S & WELDER'S HANDBOO BENZIGER, BRUCE & GLENCOE/ INC.	BOOK LEVEL:	1
	PIPE BEVELS & FITTUP	CHARTS LEVEL:	/POSTERS 2
PIPEFITTERS S	HANDBOOK SAN DIEGO TECHNICAL INSTITUTE	MANUAL LEVEL:	
PIPEFITTER I	LONG BEACH NAVAL SHIPYARD	VIDEOT. LEVEL:	

PIPEFITTER

PIPE TEMPLATE BENDING LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
CLEANLINESS CONTROL ON SHIP PIPING LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
AVONDALE SEMI-AUTOMATED PIPE SHOP AVONDALE SHIPYARDS	VIDEOTAPE LEVEL: 1
BLUEPRINT READING FOR PIPEFITTERS INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
MARINE PIPEFITTING INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
FRANKLIN PIPEFITTERS HANDBOOK BENZIGER, BRUCE & GLENCOE	WORKBOOK LEVEL: 2

PIPEWELDER

WELDING METALLURGY

AMERICAN WELDING SOCIETY

WELDING THEORY & TECHNIQUE

INGALLS SHIPBUILDING DIVISION

MANUAL
LEVEL: 1

INGALLS SHIPBUILDING DIVISION

RIGGER

RIGGING BOOK LEVEL: 1

ICS-INTEXT

CRANE HANDBOOK BOOK LEVEL: 1

CONSTRUCTION SAFETY ASSN OF ONTARIO

RIGGING MANUAL BOOK LEVEL: 1

CONSTRUCTION SAFETY ASSN OF ONTARIO

CRANE & RIGGING HANDBOOK BOOK LEVEL: 1/2/3

GENERAL DYNAMICS/QUINCY

ROSSNAGEL HANDBOOK OF RIGGING BOOK

MCGRAW-HILL BOOK COMPANY

RIGGER TRAINING VIDEOTAPE

LEVEL: 2

LEVEL: 1/2

NUS TRAINING CORPORATION

RIGGER VIDEOTAPE

LEVEL: 1
LONG BEACH NAVAL SHIPYARD

RIGGING: REMOVAL OF LARGE SHIP OBJ VIDEOTAPE

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

BODY ROUND BOLTS VIDEOTAPE

LEVEL: 1

LONG BEACH NAVAL SHIPYARD

RIGGER

CRANE SAFETY AND SIGNALS

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE LEVEL: 1

SHEETMETAL MECHANIC

SHEETMETAL SHOP PRACTICES BOOK LEVEL: 1 AUTHOR: LEO A. MEYER SHEETMETAL PATTERN DRAFTING & SHOP BOOK LEVEL: 1 AUTHOR: DAUGHERTY SHEET METAL PATTERN DRAFTING & SHOP BOOK LEVEL: 1 CHARLES A. BENNETT CO., INC. SHEETMETAL PATTERN DRAFTING BOOK LEVEL: 1 MCGRAW-HILL BOOK COMPANY SHEETMETAL SHOP PRACTICE BOOK LEVEL: 1 AMERICAN TECHNICAL PUBLISHERS, INC. SHEETMETAL PATTERN DRAFTING PROBLEM BOOK LEVEL: 1 CHARLES A. BENNETT CO., INC. SHEETMETAL FABRICATION BOOK BOOK/WORKBOOK LEVEL: 2 NATIONAL STEEL & SHIPBUILDING COMPANY BLUEPRINT READING FOR SHEETMETAL WORKBOOK LEVEL: 1 INGALLS SHIPBUILDING DIVISION LAYOUT I WORKBOOK LEVEL: 1

INGALLS SHIPBUILDING DIVISION

SHEETMETAL MECHANIC

LAYOUT II WORKBOOK LEVEL: 1

INGALLS SHIPBUILDING DIVISION

WORKBOOK LEVEL: 1

INGALLS SHIPBUILDING DIVISION

SHIPFITTER

THE MOTOR SHIP THE QUADRANT SULTON SURVEY	ARTICL LEVEL:	
INTRO TO STEEL SHIPBUILDING ALTHOUSE, TURNOUIST, BOUDITCH	BOOK LEVEL:	2
PRACTICAL MATH FOR SHIPFITTERS PITMAN PUBLISHERS	BOOK LEVEL:	1/2/3
AUDEL'S SHIPFITTER'S HANDY BOOK AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL:	
AN INTRODUCTION TO SHIPFITTING GOVERNMENT PRINTING OFFICE	BOOK LEVEL:	1
NOMENCLATURE OF NAVAL VESSELS GOVERNMENT PRINTING OFFICE	BOOK LEVEL:	1
SHIPFITTING SIMPLIFIED MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
WORKING, HEAT TREATING & WELDING STE JOHN WILEY & SONS, INC.	BOOK LEVEL:	1
THE MANU & PROP OF IRON & STEEL HILL PUBLISHING COMPANY	BOOK LEVEL:	1

SHIPFITTER

BOOK THE FLEET TYPE SUBMARINE LEVEL: 1 NAVPERS 16160 SHEETMETAL PATTERN DRAFTING PROBLEM BOOK LEVEL: 1 CHARLES A. BENNETT CO., INC. BOOK, SLIDES READING BLUEPRINTS LEVEL: 2 INDUSTRIAL MEDIA MANUAL SHIPFITTER HANDBOOK LEVEL: 1 R.E. DERECKTOR OF R.I., INC. MOVIE RIGGING LEVEL: 2 J & R FILM COMPANY MOVIE BLDG A SHIP OF TATCO SHIPBLDG CORP LEVEL: 2 NATIONAL STEEL & SHIPBUILDING COMPANY MOVIE BLUEPRINT READING LEVEL: 1 SAN DIEGO TECHNICAL INSTITUTE WORKBOOK BLUEPRINT READING FOR SHIPFITTERS LEVEL: 1 SAN DIEGO TECHNICAL INSTITUTE BLUEPRINT READING FOR SHIPFITTERS WORKBOOK LEVEL: 1

JOHN SPENCER, INC

SHIPWRIGHT

WOODWORKING TECH: JOINT APPLICATION AUTHOR: R.J. DECRISTOFORO	BOOK LEVEL:	1
CABINETMAKING AND MILLWORK AUTHOR: JOHN L. FEIRER	BOOK LEVEL:	1
AUDEL'S CARPENTERS & BUILDERS LIBRY AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL:	1
FUNDAMENTALS OF CARPENTRY, 5TH ED. AUTHOR: WALTER E. DURBAHN	BOOK LEVEL:	1
MODERN SHIP DESIGN NAVAL INSTITUTE PRESS	BOOK LEVEL:	1
HANDBOOK FOR SHIPWRIGHTS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
STAGE BUILDING AND SHIP CARPENTRY PENN. DEPT. OF PUBLIC INSTRUCTION	BOOK LEVEL:	1
SHIP JOINERY, BULLETIN 345-S PENN. DEPT. OF PUBLIC INSTRUCTION	BOOK LEVEL:	1
BUILDER 3 &2 NAVPERS 10648-F	BOOK LEVEL:	1/2

SHIPWRIGHT

ENGINEERING AID 1 & C NAVPERS 10635-B	BOOK LEVEL:	1
SHIPFITTING SIMPLIFIED MCGRAW-HILL BOOK COMPANY	BOOK LEVEL:	1
AUDEL' SHIPFITTER'S HANDY BOOK AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL:	1
NOMENCLATURE OF NAVAL VESSELS GOVERNMENT PRINTING OFFICE	BOOK LEVEL:	1
SHIP ERECTION, BULLETIN 349 PENN. DEPT. OF PUBLIC INSTRUCTION	BOOK LEVEL:	1
SHIPWRIGHT LONG BEACH NAVAL SHIPYARD	VIDEOT LEVEL:	
BLUEPRINT FOR SHIPFITTERS NATIONAL STEEL & SHIPBUILDING COMPANY	WORKBO LEVEL:	

WELDER

WELDING DESIGN & FABRICATION AMERICAN WELDING SOCIETY	ARTICLE LEVEL: 2
BLUEPRINT MACHINES/STRUCTURE/SHIPYA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
WELDING PRINCIPLES MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
MODERN WELDING ALTHOUSE, TURNIST, BOUDITCH	BOOK LEVEL: 2
NEW LESSONS IN ARC WELDING LINCOLN WELDING COMPANY	BOOK LEVEL: 2
OXY. ACET. HANDBOOK LIND OXY. ACET. HANDBOOK	BOOK LEVEL: 2
AMER WELDING SOCIETY HANDBOOK AMERICAN WELDING SOCIETY	BOOK LEVEL: 2
PROCEDURE HANDBOOK OF ARC WELDING LINCOLN WELDING COMPANY	BOOK LEVEL: 2
BLUEPRINT RESDING FOR WELDERS DELMAR PUBLISHERS	BOOK LEVEL: 1/2/3

WELDER

BOOK WELDING HANDBOOK LEVEL: 1/2/3 GENERAL DYNAMICS/QUINCY BLUEPRINT READING FOR WELDERS BOOK LEVEL: 1 DELMAR PUBLISHERS WELD JOINT DESIGN, MIL-STD-00223 BOOK LEVEL: 1 DEPARTMENT OF DEFENSE BOOK THE PROCEDURE HANDBOOK OF ARC WELDI LEVEL: 1 LINCOLN ELECTRIC COMPANY BOOK WELDING INSPECTION LEVEL: 1 AMERICAN WELDING SOCIETY CHARTS/POSTERS SAFETY LEVEL: 1/2 HOBART SCHOOLS MANUAL WELDING PROCEDURES LEVEL: 1 INGALLS SHIPBUILDING DIVISION MANUAL SAFETY & HEALTH FOR VOCATIONAL ED LEVEL: 2 NIOSH/OFFICE OF SAFETY & HEALTH ADMIN SAFETY MANUAL MANUAL LEVEL: 2

AMERICAN WELDING SOCIETY

WELDER

SUPERWELDER	MOVIE LEVEL: 2
EDUCATIONAL RESOURSES FOUNDATION	
ARC WELDING ALL POSITIONS	MOVIE LEVEL: 1
SAN DIEGO TECHNICAL INSTITUTE	
NAT'L SHIPBUILDING WELDING RSCH PGM	MOVIE LEVEL: 1
AVMAST	
INDIVIDUAL	SLIDES LEVEL: 1/2
SAN DIEGO CITY COLLEGE	
WELDING LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
ARC WELDING FUNDAMENTALS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
WELDING I	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
WELDING III	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
BLUEPRINT WORKBOOKS	WORKBOOK LEVEL: 1/2
MCGRAW-HILL BOOK COMPANY	

WELDER

BLUEPRINT READING FOR WELDERS WORKBOOK LEVEL: 2

BENNETT & SLY

ARC WELDING WORKBOOK LEVEL: 1

SAN DIEGO TECHNICAL INSTITUTE

SECTION C

SOURCES OF INFORMATION

FOR SKILLED TRADES TRAINING

- 1. A List of Participating Shipyards
- 2. A List of Supplementary Training Organizations
- 3. A List of Sources for Training Aids

December 1983

SECTION C

SOURCES OF INFORMATION FOR SKILLED TRADES TRAINING

Part 1: List of Participating Shipyards

This section lists contact information on all yards which responded to the 1983 Skilled Trades Training Survey.

Part 2: List of Supplementary Training Organizations

Contact information is provided here for those non-shipyard organizations which provide some skilled trades training courses to shipyards. This information was supplied by participating shipyards in Part 1.

Part 3: List of Sources for Training Aids

This list indicates contact information for the non-shipyard organizations listed in Section B, "Directory of Training Aids". Names of the organizations were provided by the participating shipyards in Part 1.

Pages C-ii to C-iv list the participating shipyards according to a three digit numeric code, enabling the directory user to correlate the name of the supplementary training organization with the shipyard accessing it.

LIST OF SHIPYARD CODES

CODE	SHIPYARD
110	BETHLEHEM STEEL, SPARROWS POINT
111	TODD PACIFIC SHIPYARDS / SEATTLE DIVISION
112	AMERICAN SHIP BLDG CO-AMSHIP DIVISION
113	BAY SHIPBUILDING CORPORATION
114	BATH IRON WORKS CORP.
115	DRAVO CORPORATION
116	GENERAL DYNAMICS - QUINCY SHIPBUILDING
117	HALTER MARINE, INC.
118	INGALLS SHIPBUILDING DIVISION
119	JEFFBOAT
120	MARATHON LeTOURNEAU COMPANY
121	NATIONAL STEEL & SHIPBUILDING COMPANY
122	PENNSYLVANIA SHIPBUILDING COMPANY
123	PETERSON BUILDERS, INC
124	TACOMA BOAT
125	TODD PACIFIC SHIPYARDS CORP/LOS ANGELES
126	CHARLESTON NAVAL SHIPYARD
127	PHILADELPHIA NAVAL SHIPYARD
128	ALABAMA MARITIME CORPORATION
129	AMERICAN MARINE CORPORATION
130	ASSOCIATED NAVAL ARCHITECTS, INC.
131	ASTORIA MARINE CONSTRUCTION COMPANY
132	BAKER MARINE CORPORATION
133	BARBOUR BOAT WORKS, INC.
134	BLOUNT MARINE CORPORATION
135	DILLINGHAM SHIP REPAIR
136	ELLICOTT MACHINE CORPORATION

LIST OF SHIPYARD CODES

	SHIPYARD
137	FRASER SHIPYARDS, INC
138	"H B C BARGE INC
139	MARCO SEATTLE
140	MARINE CONCRETE STRUCTURES, INC.
141	MARINE WAYS CORPORATION
142	MARINE WELDING & REPAIR WORKS
143	MAXON MARINE INDUSTRIES INC.
144	MISENER INDUSTRIES, INC.
145	NEWPARK SHIPBUILDING & REPAIR, INC
146	PACIFIC DRYDOCK & REPAIR COMPANY
147	PERTH AMBOY DRY DOCK COMPANY
148	QUALITY SHIPBUILDERS, INC
149	R.E. DERECKTOR OF R.I., INC
150	REYNOLDS SHIPYARD CORPORATION
151	ROANOKE ISLAND STEEL & BOAT WORKS, INC.
152	SERVICE MACHINE GROUP
153	SOUTHWEST MARINE, INC.
154	SOUTHERN OREGON MARINE
155	SWYGERT SHIPYARDS, INC
156	TWIN CITY SHIPYARD, INC
157	UNION DRY DOCK & REPAIR COMPANY
158	AVONDALE SHIPYARDS, INC.
159	LIVINGSTON SHIPBUILDING CO.
160	TODD PACIFIC SHIPYARDS\SAN FRANCISCO
161	JACKSONVILLE SHIPYARDS, INC.
162	GENERAL DYNAMICS/ELECTRIC BOAT DIVISION
163	NEWPORT NEWS SHIPBUILDING

LIST OF SHIPYARD CODES

CODE	<u>SHIPYARD</u>
164	LONG BEACH NAVAL SHIPYARD
165	PORTSMOUTH NAVAL SHIPYARD
166	PEARL HARBOR NAVAL SHIPYARD

SUPPLEMENTARY TRAINING ORGANIZATIONS WITH CORRESPONDING SHIPYARD CODES

ORGANIZATION	CODE
ALABAMA INDUSTRIAL TRAINING	128
AMERICAN MANAGEMENT ASSOCIATION	165
CIBELLA, ROSS	115
COMMUNITY COLLEGE/ALLEGHENY CNTY	115
CONNELLEY SKILLS LEARNING CTR	115
CRANE INSPECTION & CERTIFICATION BUREAU	165
DUNDALK COMMUNITY COLLEGE	110
DeBENDICTIS, BOB INC.	144
FL JUNIOR COLLEGE/JACKSONVILLE	161
FOXBORO EDUCATIONAL SERVICES	165
GENERAL ELECTRIC	165
GENERAL ELECTRIC COMPANY	165
GILMAN ENGINEERING & MANUFACTURING	165
GOULD, INCORPORATED	165
HARBOR COLLEGE	125
HARBOR OCCUPATIONAL CENTER	125
HONOLULU COMMUNITY COLLEGE	166
HYTORC OF NEW ENGLAND	165
IBM CORPORATION	165
ICS-INTEXT	114
INSTITUTE OF APPLIED TECHNOLOGY	110
INT'L CORRESPONDENCE SCHOOL	126
KUSHNER, J.B. ELECTROPLATING SCHOOL	126
NATIONAL FIRE PROTECTION AGENCY	165
NUS TRAINING CORPORATION	114
P&H HARNISCHFEGER INSTITUTE	162
PINELLAS VOCATIONAL TECH	144

SUPPLEMENTARY TRAINING ORGANIZATIONS WITH CORRESPONDING SHIPYARD CODES

<u>ORGANIZATION</u>	CODE
R.S. MEANS CO., INC.	165
REILLY, HARRY - MACHINIST	115
SAINT PAUL AREA VOCATIONAL INST.	156
SAN DIEGO CITY COLLEGE	121
SAN DIEGO TECHNICAL INSTITUTE	121
SIFCO SELECTIVE PLATING	165
SOUTHWESTERN OREGON COMM. COLLEGE	154
SPERRY VICKERS	162
TRANSPORTATION SAFETY INSTITUTE	165
TRIDENT TECHNICAL COLLEGE	126
UNIVERSITY OF NEW HAMPSHIRE	165
WANG LABORATORIES	165
WESTINGHOUSE ELECTRIC CORPORATION	165
WOODWARD GOVERNOR COMPANY	165

205-690-7810 ALABAMA MARITIME CORPORATION

P.O. Box 3026 Mobile Jerry Patrick AL 36652 General Foreman

504-242-5200 AMERICAN MARINE CORPORATION

Birk Herrath P.O. Box 8126

LA 70182 Personnel Director New Orleans

216-288-1234 Richard P. Casserly AMERICAN SHIP BLDG CO-AMSHIP DIVISION 400 Colorado Ave.

Personnel Manager Lorain OH 44052

ASSOCIATED NAVAL ARCHITECTS, INC.

Brandt Everhart

3400 Shipwright St.
Portsmouth VA 23703 Administrative Assistant

503-325-4121 ASTORIA MARINE CONSTRUCTION COMPANY

Donald Fastabend 403 SW Front St

OR 97103 President Astoria

504-436-5110

AVONDALE Shipyards INC. P.O. BOX 50280 Ernie Griffin New Orleans LA 70150 Personnel Director

512-883-9271x234 BAKER MARINE CORPORATION

Glenn R. Graham FM 1069 & Bay, P.O. 190 Ingleside TX 78362 Personnel Director

BARBOUR BOAT WORKS, INC.

P.O. Box 1069

NC 28560 New Bern

BATH IRON WORKS CORP. 207-443-3311

700 Washington St.

Fred J. Kahrl Mgr of Employee Development ME 04530

414-743-5524 BAY SHIPBUILDING CORPORATION

Jordan Woods 605 N 3rd Avenue

Sturgeon Bay WI 54235 Director of Personnel

BETHLEHEM STEEL, SPARROWS POINT 301-388-5721

Joseph V. Daddura Safety Engineer Sparrows Point MD 21219

BLOUNT MARINE CORPORATION 401-245-8300 Gino L. Maini

461 Water St. RI 02885 Warren Personnel Manager

CHARLESTON NAVAL SHIPYARD 803-743-5366

M. Wayne Poland Code 180 Code 180.2 Bldg. 199 Charleston SC 29408

DILLINGHAM SHIP REPAIR 503-285-1111

P.O. Box 4367 Portland OR 97208 H.G. Lyons Director Human Resources

DRAVO CORPORATION 412-777-5210

H.R. Brown 4800 Grand Avenue Pittsburgh PA 15225 Employee Relations Manager

ELLICOTT MACHINE CORPORATION 301-837-7900x217

Harry E. Eyler 1611 Bush Street Baltimor MD 21230 Personnel Director

FRASER SHIPYARDS, INC 715-394-7787

P.O. Box 997 Al Rivord Superior WI 54880 Industrial Relations

GENERAL DYNAMICS - QUINCY SHIPBUILDING 617-471-4200 R. D. Ramio

MA 02191

Chief Trades Trainer 97 E Howard ST

Ouincy

GENERAL DYNAMICS/ELECTRIC BOAT DIVISION 203-446-7587

John T. Latham Chief, Trade Training:Dept 642 Eastern Point Road CT 06340 Groton

H B C BARGE INC 412-785-6100 Box 510 Richard L. Oesterling

Brownsville PA 15417 Plant Manager

HALTER MARINE, INC. 504-246-8900

P.O. Box 29266

New Orleans

LA 70189

John Chantrey
V.P., Human Resources

INGALLS SHIPBUILDING DIVISION 601-935-5102 P.O. Box 149

C M Davenport Mgr. Hourly Employment & Trng. Pascagoula MI 39567

JACKSONVILLE SHIPYARDS, INC.

750 E. Bay Street 25cksonville FL 32203

904-355-1711 O.N. Morgan Asst. Manager for Training

JEFFBOAT 1030 East Market

Jeffersonville IN 42701

Don Bewley Mgr. of Labor Relations

LIVINGSTON SHIPBUILDING CO. P.O. BOX 968

Orange

TX 77630

409-883-3521

812-288-0435

Mr. Romano

LONG BEACH NAVAL SHIPYARD

Long Beach CA 90822

213-547-6171

Mr. Bill Hardie

Code 180

MARATHON LeTOURNEAU COMPANY

LeTOURNEAU Rural Station Vicksburg MS 39180

601-636-4132×202

Charles T. Germany Personnel Manager

MARCO SEATTLE

2300 W Commodore Way Seattle WA 98199

206-285-2300

Jim Edwards Personnel Coordinator

MARINE CONCRETE STRUCTURES, INC.

1250 L&A Road

Metaire LA 70004 504-833-1901

W.V. Campbell Vice President

MARINE WAYS CORPORATION

P.O. Box 03038

Portland OR 97203

503-286-8385

R.H. Youngman General Manager

MARINE WELDING & REPAIR WORKS

P.O. Box 1559

Greenville MS 38701

812-547-2341

Ralph W. Emerson V.P./General Manager

MAXON MARINE INDUSTRIES, INC.

P.O. Box 349

Tell City IN 47586

813-837-8522

Dave Baylies

MISENER INDUSTRIES, INC. 5353 Tyson Avenue FL 33681

Tampa

Accident Prevention Admin.

NATIONAL STEEL & SHIPBUILDING COMPANY 619-232-4011

Bill Falls P.O. Box 85278

San Diego CA 92138 Mgr. of Employment & Training

NEWPARK SHIPBUILDING & REPAIR, INC 713-928-5051

P.O. Box 5426 Richard L. Lamirand

TX 77262 Houston Manager, Industrial Relations

NEWPORT NEWS SHIPBUILDING 804-380-2723

4104 Washington Avenue Newport News VA 23607

Mr. J.E. Wallace Director of Training & Dev.

PACIFIC DRYDOCK & REPAIR COMPANY 415-893-7020

Bob Hartsock 321 Embarcadero

Oakland CA 94501 General Manager

PEARL HARBOR NAVAL SHIPYARD 808-471-8407

Ms. Wanda McHenry PEARL HARBOR HI 96860 Code 180

PENNSYLVANIA SHIPBUILDING COMPANY 215-499-2207

Foot of Morton Avenue Edward Kordalski Chester PA 19013 Manager of Employment

PERTH AMBOY DRY DOCK COMPANY 201-826-5000

George F. Fallen Vice President-General Manager P.O. Box 348, Ft. of Commerce Perth Amboy NJ 08862

101 PENNSYLVANIA ST. PO BOX 47 Douglas A. Washburn Sturgeon Bay WT 54225 PETERSON BUILDERS, INC 414-743-5577

Sturgeon Bay WI 54235 Director

PHILADELPHIA NAVAL SHIPYARD 215-755-4768

Code 180.2 James Valentine

Philadelphia PA 19112 Supv. Employee Dev. Specialist

PORTSMOUTH NAVAL SHIPYARD 207-439-2226

Mr. Ernie Kassner

Kittery ME 03904 Code 180

QUALITY SHIPBUILDERS, INC 601-475-6758 P.O. Box 704

Carlton Hempstead Jr. Personnel Director MS 39563 Moss Point

R.E. DERECKTOR OF R.I., INC

Coddington Cove
Middletown

RI 02840

401-847-6589

Virginia L. King
Asst. Personnel Director

REYNOLDS SHIPYARD CORPORATION 212-981-28 200 Edgewater Street Michael R. Reynolds Staten Island NY 10305 President

212-981-2800

ROANOKE ISLAND STEEL & BOAT WORKS INC.

919-473-5884

P.O. Box 340 Wanchese NC 27981

Carl Bock, Jr.

President

P.O. Box 2664

Morgan City

Service MaCHINE GROUP

Sylvia Mahler

Personnel Assistant SERVICE MACHINE GROUP

504-631-0511

SOUTHERN OREGON MARINE 503-269-2116
P.O. Box 1220 Jack L. Wilskey
Coos Bay OR 97420 Vice President/General Manager

SOUTHWEST MARINE, INC.

P.O.BOX 13308 San Diego CA 92113

619-238-1000

Kinsey Roos Industrial Relations Director

SWYGERT SHIPYARDS, INC
P.O. BOX 308
Johns Island SC 29455

803P.H. Speights
General Superior

803-559-0346

General Superintendent

TACOMA BOAT

TACOMA BOAT 206-572-3600
1840 Marine View Drive Susan McLain
Tacoma WA 98422 Compensation & Benefits Mgr.

206-572-3600

TODD PACIFIC SHIPYARDS/SEATTLE DIVISION

206-623-1635x244

1801 16th Ave., SW Lynda Zimmerman Seattle WA 98134 Assistant Manager, Personnel

Seattle

TODD PACIFIC SHIPYARDS CORP/LOS ANGELES 213-832-3361

710 Front Street Terry Croskrey
San Pedro CA 90733 Training Coordinator

TODD PACIFIC SHIPYARDS/SAN FRANCISCO

415-621-8633x296

P.O. Box 7263

San Francisco CA 94120

Mr. Arlyn Kjelmyr Training Coordinator

TWIN CITY SHIPYARD, INC P.O. BOX 43032
St. Paul
MN 55164

612-738-8
John A. Mathews
Personnel Director

612-738-8351

UNION DRY DOCK & REPAIR COMPANY

Foot of Pershing Road

Weehawken

NJ 07087

201-867-0

Juan Perez

Personnel Director

201-867-0904

205-832-3466 ALABAMA INDUSTRIAL TRAINING

ALABAMA INDUSTRIAL 22 2540 Fairlane Dr. Bldg 4 AL 36116 Mr. George Howard Director

AMERICAN MANAGEMENT ASSOCIATION

P.O. Box 319

NY 12983 Saranac Lake

412-835-4031 CIBELLA, ROSS

Ross Cibella 1412 Stoltz Road PA 15102 Consultant Bethel Park

412-366-7000 COMMUNITY COLLEGE/ALLEGHENY CNTY

1030 Perry Highway

William Hiles PA 15237 Director, Cooperative Ed. Pittsburgh

412-566-2000 CONNELLEY SKILLS LEARNING CTR

Thomas Goettman 1501 Bedford Avenue

PA 15222 Placement Coordinator Pittsburgh

CRANE INSPECTION & CERTIFICATION BUREAU

7200 Lake Ellenor Drive

FL 32809 Orlando

301-282-6700 DUNDALK COMMUNITY COLLEGE

Dr. James Burns 7200 Soilers Pt. Rd.

MD 21222 Director of Business Baltimore

305-841-9208 DeBENDICTIS, BOB INC.

Bob DeBenedictis 4016 Henley Road

FL 32805 President Orlando

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